



**September Quarter 1989
Employed Wage
and Salary
Earners
Australia**

Catalogue No. 6248.0

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**EMPLOYED WAGE AND SALARY EARNERS
AUSTRALIA
SEPTEMBER QUARTER 1989**

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AUSTRALIAN BUREAU OF STATISTICS

CATALOGUE NO. 6248.0

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SUMMARY OF FINDINGS

The total number of employed wage and salary earners in Australia in September 1989 in seasonally adjusted terms was estimated as 6,228,400. This represents an increase of 91,300 (1.5%) since June 1989 and an increase of 159,500 (2.6%) compared to September 1988.

Over the last five years of the survey, the number of wage and salary earners has increased by 1,028,200 (19.8%), an average annual increase of 3.7 per cent.

In original terms, the total number of employed wage and salary earners in Australia in September 1989 was estimated as 6,219,000. This represents an increase of 78,200 (1.3%) since June 1989.

Private and public sectors

Growth in the number of employed wage and salary earners (employees) in recent years is shown in Diagram 1 below in both original and seasonally adjusted terms. The following data are presented in seasonally adjusted terms. It can be seen that growth has been concentrated in the private sector. In the twelve months to September 1989, the number of private sector employees grew by 231,800 (5.4%) to 4,514,000. Since September 1984, the estimated number of employees has increased by 986,200 (28.0%) which represents an average annual increase of 5.1 per cent. Since June 1989, the number of private sector employees increased by 89,900 (2.0%).

Diagram 1 also shows a markedly different pattern for employment in the public sector. In the twelve months to September 1989, the number of public sector employees decreased by 72,200 (4.0%) to 1,714,400. Despite this, the public sector has grown by 42,000 (2.5%) since September 1984, which is an average annual increase over this period of 0.5 per cent. Since June 1989, the number of public sector employees increased by 1,300 (0.1%).

The proportion of wage and salary earners employed in the private sector has continued to increase, from 67.8 per

cent in September 1984, to 70.6 per cent in September 1988 and 72.5 per cent in September 1989.

Diagram 1 also shows the effects of a number of occurrences that have caused public sector employee estimates to either increase or decrease. In summary, these occurrences are: the cessation and later re-employment of temporary staff of the Community services industry at the end of the school year (December and January each year); the employment of temporary staff to conduct the 1986 Census of Population and Housing (June and July 1986), the July 1987 Federal Election and the September 1988 Referendum. Further details of these occurrences are provided in previous editions of this publication.

Industries

Diagram 2 shows changes in the number of employed wage and salary earners for the last twelve months and over the five years to September 1989, classified by ASIC division. Changes over the last three months are also discussed in the text. The data are presented in seasonally adjusted terms unless otherwise stated.

The Finance, property and business services industry continues to show strong employee growth, with an increase of 237,400 (40.7%) since September 1984. This is an average annual increase of 7.1 per cent. Employee growth in the last twelve months also continues with an increase of 45,000 (6.1%). Since June 1989, employee growth has been 17,300 (2.2%) to 786,200 employees in September 1989.

Growth in the number of employees in the Construction industry continues and at an increased rate. In the last five years the number of employees has risen by 95,700 (41.1%). This is an average annual increase of 7.1 per cent. In the last twelve months the growth has been 38,300 employees (13.2%). Since June 1989, employee growth has been 24,500 (8.1%) to 328,700 in September 1989.

DIAGRAM 1. EMPLOYED WAGE AND SALARY EARNERS, SECTORS AUSTRALIA

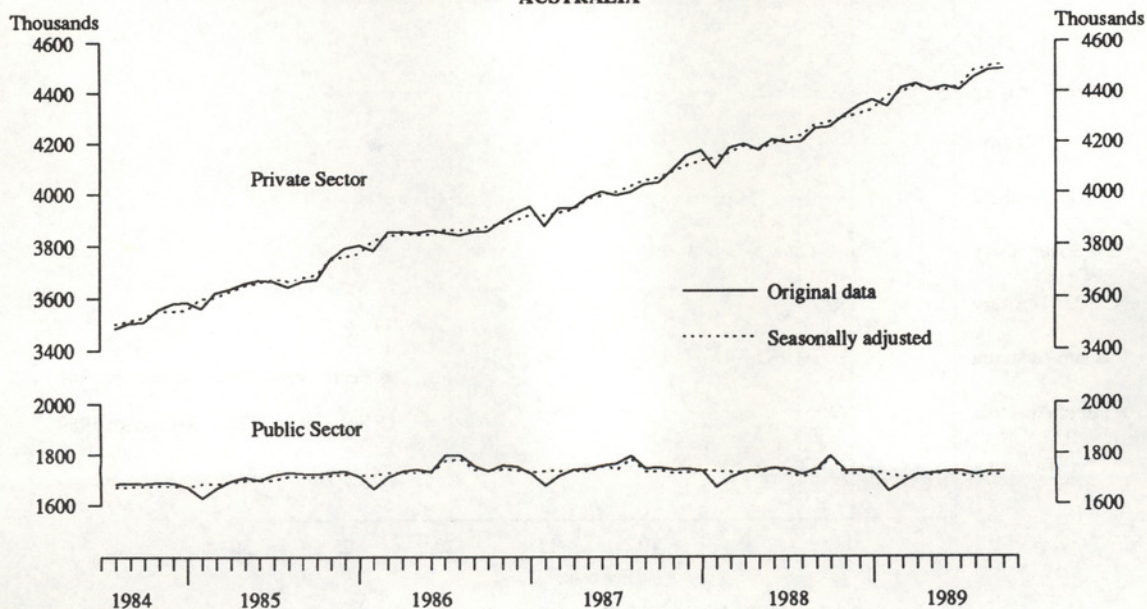
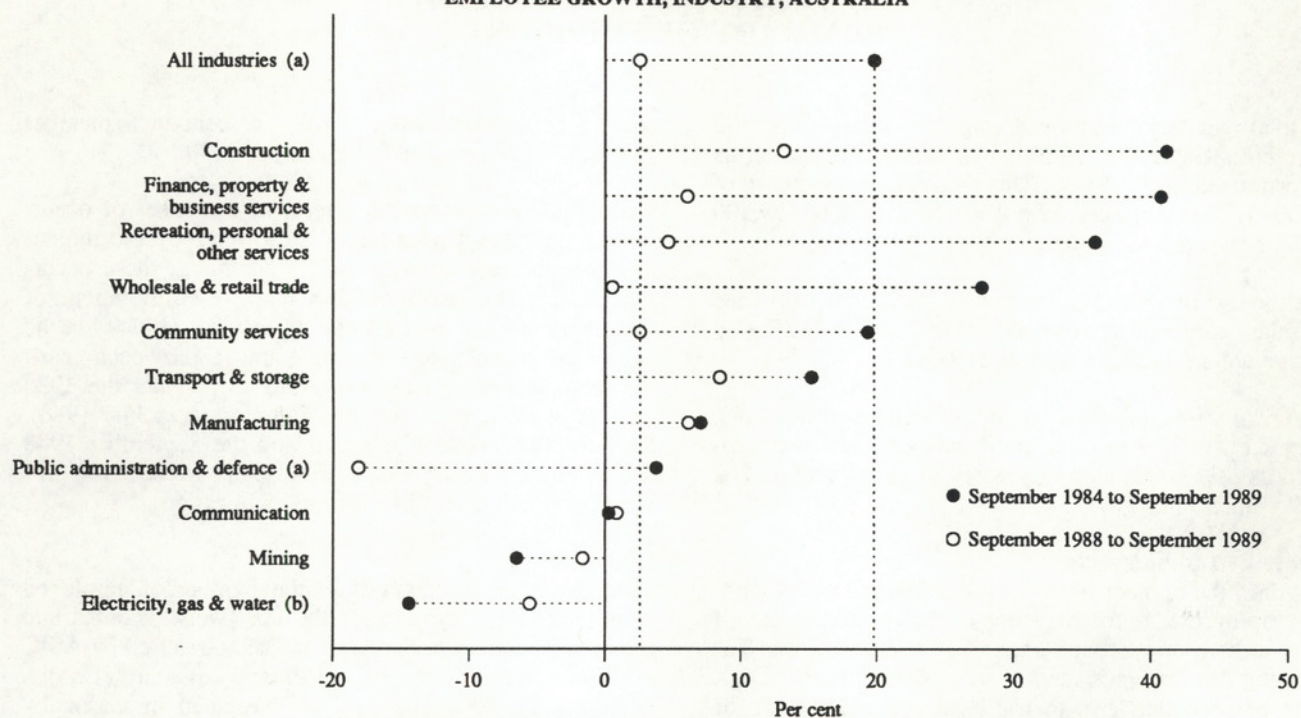


DIAGRAM 2. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED:
EMPLOYEE GROWTH, INDUSTRY, AUSTRALIA



(a) For September 1988 includes 63,200 temporary Australian Electoral Commission employees.
(b) Not seasonally adjusted.

The Recreation, personal and other services industry also continues to show substantial employee growth, with an increase of 126,100 (35.9%) since September 1984. This is an average annual increase of 6.3 per cent. In the twelve months to September 1989, the number of employees has increased by 21,500 (4.7%). Since June 1989, employee growth has been 16,900 (3.7%) to 477,700 employees in September 1989.

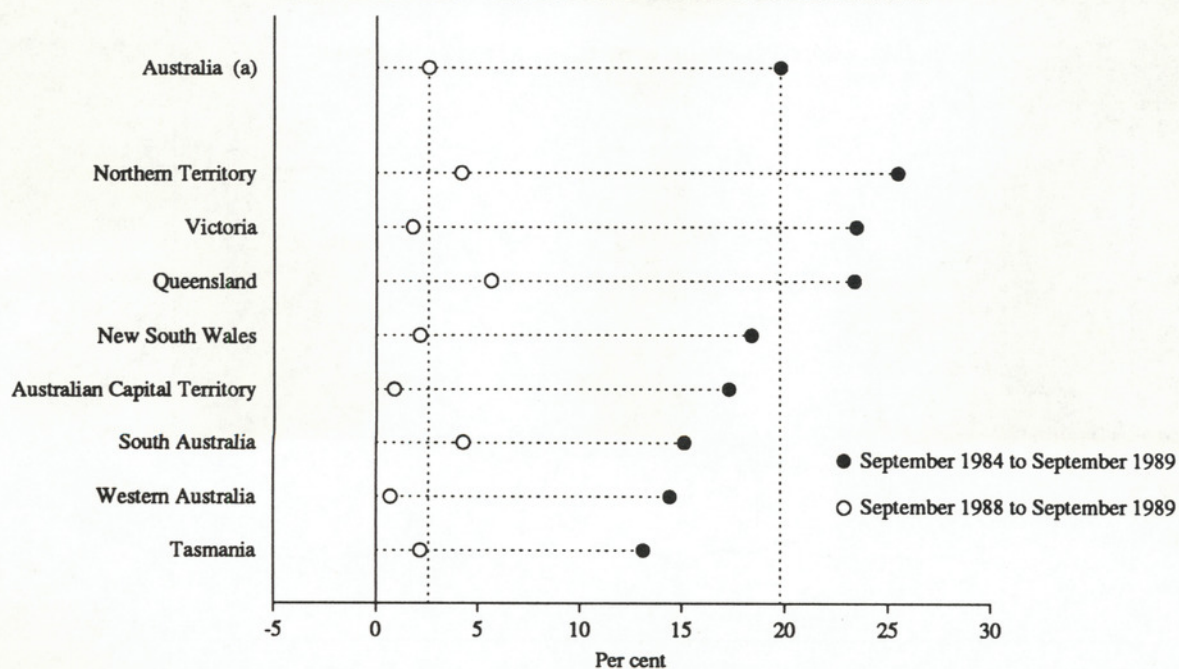
The Wholesale and retail trade industry continues to show strong employee growth. In the five years since September 1984, there has been an increase in the number of employees of 281,600 (27.7%). This is an average annual increase of 5.0 per cent. In the last year, to September

1989, the number of employees has increased by 8,300 (0.6%) to 1,296,500 employees. Employee growth since June 1989 has been insignificant.

The Electricity, gas and water industry does not exhibit any significant seasonality and is presented only in original terms. It shows a decrease of 20,300 employees (14.4%) in the last five years, which is an average annual decrease of 2.7 per cent. A decrease of 7,000 employees (5.5%) has occurred over the last year, falling to 120,200 in September 1989.

The Public administration and defence industry has shown only moderate growth over the last five years, with an in-

DIAGRAM 3. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED:
EMPLOYEE GROWTH, STATE, TERRITORY AND AUSTRALIA



(a) For September 1988 includes 63,200 temporary Australian Electoral Commission employees.

crease of 11,200 employees (3.8%). In the last twelve months a decrease of 68,000 employees (18.1%) is shown. However, it should be noted that this decrease is mainly attributable to the cessation of temporary staff employed to conduct the September 1988 Referendum. A decrease has occurred since June 1989 of 4,400 (1.4%) to 308,500 employees in September 1989.

States and Territories

Diagram 3 shows in seasonally adjusted terms the changes in the number of employed wage and salary earners both for the last twelve months and over the last five years to September 1989, classified by State, Territory and Australia.

New South Wales (18.4%), Victoria (23.5%), Queensland (23.4%) and the Northern Territory (25.4%) show the most significant employee growth since September 1984. Queensland (5.7%), South Australia (4.3%) and the Northern Territory (4.2%) are the only States or Territories to show significant employee growth in the twelve months to September 1989. Tasmania (4.3%), the Northern Territory (6.4%) and the Australian Capital Territory (3.7%) are the only States or Territories to show significant employee growth since June 1989.

Male and female wage and salary earners

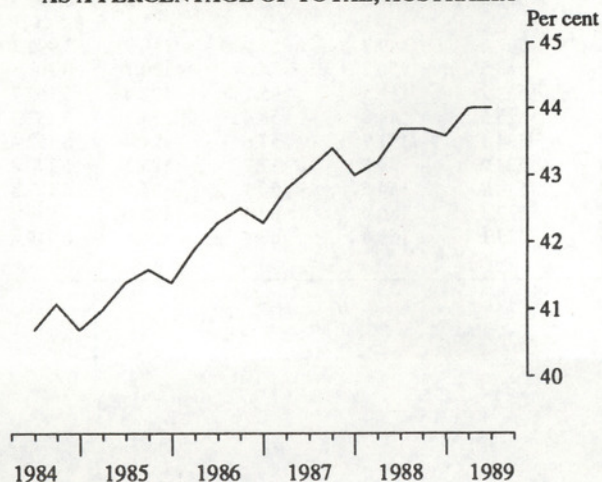
Estimates of male and female wage and salary earners relate to the middle month of each quarter and are presented only in original terms. For the year to August 1989, the number of female employees increased by 4.5 per cent while the number of male employees increased by 3.1 per cent.

Diagram 4 shows the number of female wage and salary earners as a proportion of total wage and salary earners. This proportion has grown steadily from 40.7 per cent in August 1984 to 44.0 per cent in August 1989. Note that the seasonal fall, between November and February each year, is principally due to the decrease in the number of part-time female employees in the education component of the Community services industry.

Full-time and part-time wage and salary earners

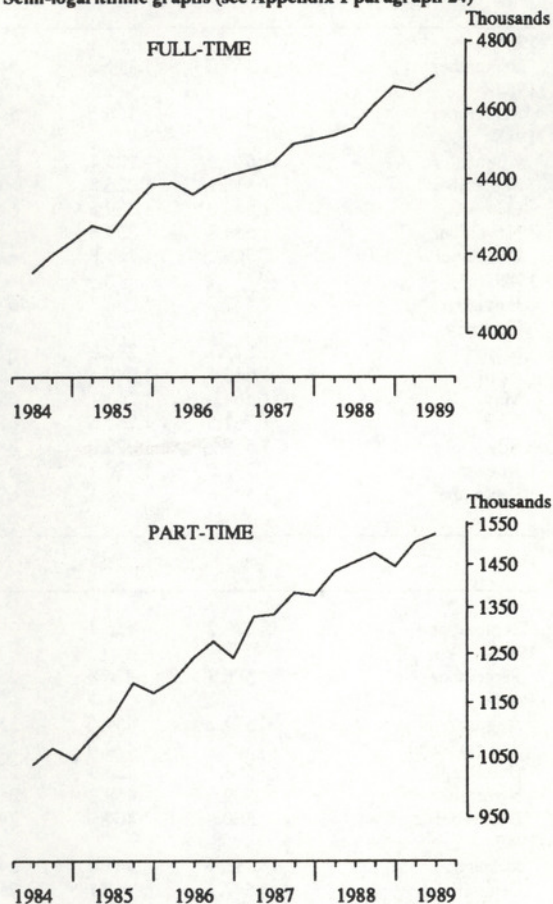
Estimates of full-time and part-time wage and salary earners also relate to the middle month of each quarter and are presented only in original terms. In August 1989, there were an estimated 4,693,500 full-time and 1,520,800 part-

**DIAGRAM 4. FEMALE WAGE AND SALARY EARNERS
AS A PERCENTAGE OF TOTAL, AUSTRALIA**



**DIAGRAM 5. EMPLOYED WAGE AND SALARY EARNERS,
PERSONS, AUSTRALIA**

Semi-logarithmic graphs (see Appendix 1 paragraph 24)



time employees in Australia - a decrease of 41,600 (0.9%) full-time and an increase of 20,400 (1.4%) part-time employees since May 1989.

Diagram 5 shows the growth in the number of full-time and part-time employees over the last five years. The rate of growth for part-time employees has been much greater than that of full-time employees, viz: 46.5 per cent, compared with 13.0 per cent, or average annual growth rates of 7.9 per cent part-time and 2.5 per cent full-time. In the twelve months to August 1989, part-time employees have increased by 68,800 (4.7%), compared with an increase in the number of full-time employees of 151,200 (3.3%).

Earnings

Total earnings for employed wage and salary earners in the September quarter 1989 in original terms are estimated as \$37,057.9m. This is an increase of \$3,744.0m (11.2%) over the same period in the previous year and an increase of \$14,452.9m (63.9%) over September quarter 1984.

TABLE 1. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA, PERSONS ('000)

	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PRIVATE									
1986- September	1,357.2	1,111.2	543.8	310.6	353.9	93.2	35.0	46.4	3,851.3
1987- September	1,432.7	1,166.5	564.0	329.9	364.9	97.6	33.0	51.2	4,039.8
1988- August	1,517.9	1,225.4	632.0	335.7	355.1	98.0	37.1	54.6	4,255.8
September	1,518.9	1,226.8	636.9	335.7	353.9	97.9	36.5	54.0	4,260.6
October	1,540.0	1,239.5	642.6	335.6	359.6	98.1	34.1	54.9	4,304.4
November	1,554.3	1,254.6	646.6	340.0	361.2	99.5	34.2	55.4	4,345.7
December	1,566.2	1,265.8	640.5	340.1	365.7	101.4	34.0	55.4	4,369.2
1989- January	1,547.2	1,246.7	662.4	345.6	357.8	98.9	33.1	49.8	4,341.5
February	1,571.7	1,269.3	676.9	350.0	365.6	99.8	33.8	51.0	4,418.0
March	1,572.1	1,278.6	679.8	349.8	368.5	100.3	33.6	51.5	4,434.2
April	1,566.6	1,249.6	680.0	362.4	365.6	97.1	35.0	54.1	4,410.5
May	1,564.9	1,257.1	685.5	363.6	364.8	96.6	36.1	54.2	4,422.8
June	1,561.5	1,253.5	683.0	362.4	363.2	95.9	36.0	53.0	4,408.5
July	1,578.2	1,279.0	684.8	362.5	360.9	102.0	37.8	55.9	4,461.0
August	1,591.6	1,278.1	694.7	362.2	362.9	103.0	38.3	55.8	4,486.6
September	1,599.6	1,276.3	694.0	363.1	361.7	102.3	38.2	56.4	4,491.5
PUBLIC									
1986- September	573.2	456.4	261.6	151.7	159.7	53.8	22.0	72.7	1,750.9
1987- September	576.3	456.8	255.4	153.4	158.1	53.7	21.6	71.1	1,746.4
1988- August	571.7	459.6	251.9	151.9	157.7	53.3	21.0	71.4	1,738.4
September(a)	596.9	474.8	258.0	156.7	165.7	54.4	21.4	71.4	1,799.3
October	568.6	456.9	251.5	152.1	155.7	52.8	21.9	71.1	1,730.7
November	569.0	458.8	251.4	151.9	156.2	52.9	21.5	71.4	1,733.1
December	560.8	464.1	246.0	152.1	155.9	53.0	21.7	70.8	1,724.3
1989- January	537.7	441.6	241.6	143.0	149.2	50.8	20.8	69.0	1,653.7
February	547.2	446.1	250.8	147.7	152.9	50.4	20.8	69.7	1,685.5
March	559.1	451.6	254.3	150.0	159.7	51.3	21.5	70.9	1,718.5
April	559.9	451.3	257.1	149.5	159.9	52.7	21.4	70.1	1,721.8
May	562.5	453.8	257.7	149.3	159.5	55.1	21.5	70.2	1,729.6
June	566.6	453.8	255.4	149.8	161.0	53.6	21.7	70.3	1,732.3
July	556.6	453.8	256.5	149.0	157.1	52.5	22.3	68.5	1,716.3
August	560.7	456.0	256.2	149.9	159.5	53.5	22.1	69.8	1,727.7
September	561.5	456.3	252.2	150.6	161.5	53.2	22.2	70.0	1,727.5
PRIVATE AND PUBLIC									
1986- September	1,930.4	1,567.5	805.5	462.2	513.5	147.0	57.0	119.1	5,602.3
1987- September	2,009.0	1,623.3	819.3	483.3	523.0	151.3	54.7	122.3	5,786.2
1988- August	2,089.7	1,685.0	883.9	487.6	512.8	151.3	58.0	126.0	5,994.3
September(a)	2,115.8	1,701.6	894.9	492.4	519.5	152.3	57.9	125.4	6,059.9
October	2,108.7	1,696.4	894.1	487.7	515.3	150.9	56.0	126.0	6,035.1
November	2,123.3	1,713.4	898.0	491.9	517.4	152.4	55.7	126.8	6,078.8
December	2,127.0	1,729.9	886.5	492.3	521.6	154.3	55.7	126.2	6,093.5
1989- January	2,085.0	1,688.3	904.0	488.6	507.0	149.7	53.9	118.9	5,995.3
February	2,118.8	1,715.3	927.7	497.7	518.5	150.2	54.6	120.7	6,103.5
March	2,131.2	1,730.3	934.2	499.8	528.2	151.5	55.1	122.4	6,152.7
April	2,126.5	1,701.0	937.2	511.9	525.5	149.8	56.4	124.1	6,132.3
May	2,127.4	1,710.9	943.2	512.9	524.3	151.7	57.6	124.4	6,152.4
June	2,128.1	1,707.3	938.4	512.2	524.2	149.6	57.7	123.3	6,140.8
July	2,134.8	1,732.8	941.3	511.4	518.0	154.5	60.1	124.5	6,177.3
August	2,152.3	1,734.2	950.9	512.1	522.4	156.4	60.4	125.6	6,214.3
September	2,161.1	1,732.6	946.2	513.7	523.1	155.5	60.4	126.4	6,219.0

(a) Includes temporary Australian Electoral Commission staff.

TABLE 2. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED, AUSTRALIA, PERSONS ('000)

Month	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PRIVATE									
1986- September	1,369.5	1,114.8	544.1	311.3	355.9	94.7	34.4	47.2	3,871.9
1987- September	1,446.1	1,170.3	564.0	330.3	366.9	99.1	32.3	52.0	4,060.9
1988- August	1,529.0	1,226.9	633.6	335.5	356.0	99.3	36.4	54.8	4,271.4
September	1,533.4	1,230.7	636.7	336.0	355.7	99.4	35.6	54.8	4,282.2
October	1,537.1	1,241.1	639.2	337.7	358.3	99.2	33.4	54.9	4,301.0
November	1,540.3	1,246.9	640.7	338.8	357.9	98.8	34.6	54.6	4,312.6
December	1,548.5	1,253.5	640.5	338.9	361.0	99.5	35.1	54.6	4,331.6
1989- January	1,557.5	1,262.5	670.0	349.4	360.9	99.5	34.7	51.0	4,385.5
February	1,559.7	1,263.2	677.7	348.8	364.5	98.7	35.1	50.4	4,398.1
March	1,567.2	1,274.2	684.6	348.4	367.7	99.2	34.8	50.9	4,427.2
April	1,564.7	1,247.6	679.3	361.7	367.3	96.2	34.9	54.1	4,405.9
May	1,562.1	1,252.8	678.1	362.3	365.0	96.2	35.1	53.8	4,405.5
June	1,570.9	1,262.2	679.7	363.0	363.8	96.4	34.5	53.6	4,424.1
July	1,588.8	1,284.4	691.2	362.7	363.7	103.0	37.3	56.3	4,487.5
August	1,603.2	1,279.4	696.6	362.0	363.8	104.4	37.5	56.0	4,503.0
September	1,615.1	1,280.2	693.6	363.4	363.4	103.9	37.2	57.2	4,514.0
PUBLIC									
1986- September	568.3	453.0	260.2	151.2	159.0	53.2	22.2	72.8	1,739.9
1987- September	570.7	453.4	254.0	152.6	157.2	53.0	21.7	71.2	1,733.8
1988- August	567.4	454.2	250.9	150.4	156.9	52.8	21.2	71.7	1,725.4
September(a)	591.1	471.4	256.8	155.9	164.7	53.7	21.5	71.5	1,786.6
October	565.3	453.0	250.8	150.6	155.1	52.3	21.8	71.2	1,720.2
November	563.3	458.0	251.2	150.6	155.5	52.3	21.6	71.3	1,723.8
December	564.0	465.6	248.5	151.1	156.4	52.3	21.7	71.3	1,730.9
1989- January	559.3	455.2	248.6	150.6	156.0	53.6	21.0	70.8	1,715.0
February	552.2	451.6	253.2	150.1	155.1	52.8	20.9	70.5	1,706.3
March	557.5	451.8	253.6	149.8	159.0	51.9	21.5	70.7	1,715.8
April	556.8	450.3	255.6	148.4	158.8	52.3	21.4	69.5	1,713.2
May	567.2	455.6	254.7	148.8	157.6	54.3	21.5	69.3	1,728.9
June	560.3	448.9	252.4	148.9	158.4	53.6	21.4	69.1	1,713.1
July	552.4	450.5	255.8	147.7	156.7	51.1	22.2	68.3	1,704.6
August	556.6	450.5	255.2	148.4	158.7	52.9	22.3	70.0	1,714.7
September	555.5	452.9	250.9	149.7	160.4	52.5	22.3	70.1	1,714.4
PRIVATE AND PUBLIC									
1986- September	1,937.8	1,567.8	804.3	462.4	515.0	147.9	56.5	120.1	5,611.8
1987- September	2,016.8	1,623.7	818.0	482.9	524.1	152.1	54.0	123.2	5,794.8
1988- August	2,096.4	1,681.0	884.5	485.9	512.9	152.1	57.5	126.5	5,996.8
September(a)	2,124.6	1,702.1	893.4	491.9	520.4	153.1	57.1	126.2	6,068.9
October	2,102.4	1,694.1	890.1	488.4	513.5	151.5	55.2	126.1	6,021.2
November	2,103.7	1,704.9	891.9	489.4	513.5	151.1	56.1	125.9	6,036.5
December	2,112.5	1,719.1	889.0	490.0	517.4	151.8	56.7	125.9	6,062.5
1989- January	2,116.8	1,717.7	918.6	500.0	516.9	153.0	55.7	121.8	6,100.5
February	2,111.9	1,714.8	930.9	498.9	519.6	151.5	56.0	120.9	6,104.4
March	2,124.7	1,726.1	938.3	498.3	526.8	151.0	56.3	121.6	6,142.9
April	2,121.5	1,698.0	934.9	510.1	526.2	148.6	56.3	123.6	6,119.1
May	2,129.3	1,708.5	932.8	511.1	522.6	150.5	56.5	123.1	6,134.4
June	2,131.2	1,711.2	932.1	511.8	522.2	150.0	55.9	122.7	6,137.1
July	2,141.2	1,734.9	947.0	510.4	520.4	154.1	59.4	124.6	6,192.1
August	2,159.8	1,730.0	951.8	510.5	522.4	157.3	59.9	126.0	6,217.7
September	2,170.6	1,733.2	944.6	513.1	523.8	156.4	59.5	127.3	6,228.4

(a) Includes temporary Australian Electoral Commission staff.

TABLE 3. GROSS EARNINGS, STATES AND TERRITORIES, SECTORS
(\$m)

Quarter	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
PRIVATE									
1984-85	21,719.3	16,403.5	8,034.9	4,729.9	5,150.5	1,381.4	494.7	640.4	58,554.7
1985-86	24,030.5	18,747.2	8,830.5	5,171.7	5,869.0	1,513.7	601.1	708.2	65,471.9
1986-87	26,896.8	21,053.5	9,490.0	5,488.3	6,646.3	1,687.9	632.9	824.0	72,719.6
1987-88	31,149.5	23,957.9	10,549.8	6,080.3	7,309.7	1,751.3	624.8	957.5	82,380.7
1988-89	34,980.6	27,232.4	13,031.4	6,732.8	7,795.8	1,880.8	725.7	1,063.8	93,443.2
1987-									
March	6,408.2	4,907.6	2,267.5	1,320.7	1,627.7	404.4	146.1	203.1	17,285.2
June	7,029.9	5,488.7	2,454.8	1,408.6	1,710.8	446.3	162.0	221.1	18,922.2
September	7,314.3	5,742.9	2,524.4	1,465.6	1,762.4	436.4	160.4	233.1	19,639.4
December	7,979.4	6,222.0	2,701.5	1,525.3	1,898.8	455.5	159.0	250.0	21,191.5
1988-									
March	7,707.1	5,796.5	2,563.1	1,481.8	1,770.9	411.0	149.3	230.4	20,110.1
June	8,148.8	6,196.5	2,760.8	1,607.5	1,877.6	448.3	156.0	244.0	21,439.6
September	8,291.8	6,429.9	2,974.7	1,598.8	1,867.2	442.1	181.0	257.9	22,043.4
December	8,934.6	7,081.1	3,234.4	1,682.2	1,978.6	481.3	177.5	273.6	23,843.3
1989-									
March	8,702.2	6,677.3	3,282.5	1,634.4	1,902.0	466.3	173.8	252.8	23,091.1
June	9,052.0	7,044.0	3,539.8	1,817.5	2,048.1	491.1	193.5	279.5	24,465.5
September	9,388.7	7,369.7	3,620.3	1,833.7	2,027.6	510.3	212.3	284.3	25,246.9
PUBLIC									
1984-85	11,678.5	9,112.8	5,002.5	3,078.7	3,069.9	1,038.2	497.3	1,607.0	35,084.9
1985-86	12,562.3	9,799.5	5,363.1	3,252.0	3,299.5	1,123.2	556.4	1,777.8	37,733.7
1986-87	13,415.4	10,565.5	5,702.4	3,423.2	3,509.9	1,169.6	584.2	1,914.0	40,284.2
1987-88	14,142.2	11,296.9	5,839.2	3,629.2	3,748.7	1,233.4	597.5	1,989.7	42,476.9
1988-89	15,067.3	11,900.3	6,429.6	3,845.7	4,030.1	1,309.7	629.9	2,152.6	45,365.4
1987-									
March	3,170.9	2,552.2	1,377.1	786.2	830.2	268.7	134.5	452.9	9,572.7
June	3,532.0	2,617.3	1,489.5	894.2	923.9	305.6	152.9	501.0	10,416.3
September	3,433.2	2,849.0	1,484.2	873.4	913.1	315.3	158.7	507.0	10,534.0
December	3,591.1	2,812.5	1,435.6	924.9	966.9	313.9	147.1	489.0	10,681.0
1988-									
March	3,553.9	2,724.5	1,431.0	915.0	926.3	301.9	150.0	513.7	10,516.1
June	3,563.9	2,910.9	1,488.3	916.0	942.4	302.4	141.7	480.1	10,745.8
September	3,768.9	2,937.6	1,564.8	943.1	1,013.3	325.8	161.8	555.3	11,270.5
December	3,816.4	2,985.6	1,678.9	959.9	1,003.1	341.5	155.7	512.2	11,453.3
1989-									
March	3,757.2	2,930.2	1,523.9	965.7	1,029.1	319.8	157.9	570.3	11,254.1
June	3,722.1	3,047.3	1,662.0	977.1	986.1	322.6	154.6	514.8	11,386.6
September	3,907.1	3,059.7	1,648.7	1,004.7	1,098.3	350.0	176.7	565.7	11,811.0
PRIVATE AND PUBLIC									
1984-85	33,398.0	25,516.3	13,037.4	7,808.7	8,220.4	2,419.6	991.9	2,247.3	93,639.8
1985-86	36,592.8	28,546.6	14,193.6	8,423.7	9,168.6	2,636.9	1,157.5	2,485.9	103,205.7
1986-87	40,312.1	31,618.9	15,192.4	8,911.4	10,156.2	2,857.5	1,217.2	2,737.9	113,003.8
1987-88	45,291.7	35,254.8	16,389.0	9,709.4	11,058.4	2,984.7	1,222.3	2,947.2	124,857.6
1988-89	50,048.0	39,132.7	19,461.0	10,578.5	11,825.9	3,190.6	1,355.6	3,216.4	138,808.6
1987-									
March	9,579.1	7,459.7	3,644.6	2,106.8	2,457.9	673.1	280.6	656.0	26,857.9
June	10,561.9	8,105.9	3,944.3	2,302.7	2,634.7	751.8	315.0	722.2	29,338.5
September	10,747.5	8,591.9	4,008.6	2,338.9	2,675.5	751.7	319.1	740.1	30,173.4
December	11,570.5	9,034.5	4,137.1	2,450.2	2,865.7	769.4	306.1	739.0	31,872.5
1988-									
March	11,260.9	8,521.0	3,994.1	2,396.8	2,697.2	712.9	299.3	744.0	30,626.3
June	11,712.7	9,107.4	4,249.2	2,523.5	2,820.0	750.7	297.8	724.1	32,185.4
September	12,060.7	9,367.6	4,539.5	2,541.9	2,880.4	767.9	342.7	813.2	33,313.9
December	12,751.0	10,066.7	4,913.4	2,642.1	2,981.7	822.8	333.1	785.8	35,296.6
1989-									
March	12,459.4	9,607.5	4,806.4	2,600.0	2,931.1	786.1	331.7	823.0	34,345.2
June	12,774.1	10,091.3	5,201.8	2,794.6	3,034.1	813.7	348.1	794.3	35,852.0
September	13,295.8	10,429.4	5,268.9	2,838.4	3,125.9	860.4	389.0	850.0	37,057.9

TABLE 4. EMPLOYED WAGE AND SALARY EARNERS, STATES AND TERRITORIES

State, Territory/Sector	Number of employees('000)						Gross earnings	
	September(a) 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
New South Wales	2,115.8	2,128.1	2,134.8	1,204.2	948.1	2,152.3	2,161.1	13,295.8
Private	1,518.9	1,561.5	1,578.2	882.3	709.4	1,591.6	1,599.6	9,388.7
Public	596.9	566.6	556.6	322.0	238.7	560.7	561.5	3,907.1
Commonwealth	159.3	135.3	133.1	84.0	49.3	133.3	133.3	970.8
State	376.5	370.8	363.7	191.0	176.6	367.6	368.4	2,530.7
Local	61.1	60.4	59.8	47.0	12.8	59.8	59.8	405.6
Victoria	1,701.6	1,707.3	1,732.8	964.7	769.5	1,734.2	1,732.6	10,429.4
Private	1,226.8	1,253.5	1,279.0	716.5	561.6	1,278.1	1,276.3	7,369.7
Public	474.8	453.8	453.8	248.2	207.8	456.0	456.3	3,059.7
Commonwealth	114.2	94.7	92.8	61.0	32.0	93.0	93.4	689.1
State	316.3	313.8	315.8	163.8	153.4	317.2	317.3	2,142.2
Local	44.2	45.3	45.2	23.4	22.5	45.8	45.7	228.4
Queensland	894.9	938.4	941.3	544.1	406.8	950.9	946.2	5,268.9
Private	636.9	683.0	684.8	390.0	304.7	694.7	694.0	3,620.3
Public	258.0	255.4	256.5	154.1	102.1	256.2	252.2	1,648.7
Commonwealth	57.5	49.9	49.3	30.7	18.3	49.0	48.9	345.2
State	173.8	177.5	179.2	100.1	79.2	179.2	175.3	1,140.1
Local	26.8	28.1	27.9	23.3	4.7	28.0	28.0	163.3
South Australia	492.4	512.2	511.4	288.0	224.1	512.1	513.7	2,838.4
Private	335.7	362.4	362.5	204.2	158.0	362.2	363.1	1,833.7
Public	156.7	149.8	149.0	83.9	66.1	149.9	150.6	1,004.7
Commonwealth	39.1	32.6	32.7	22.9	9.6	32.5	32.6	228.5
State	109.4	109.1	108.1	55.2	54.0	109.2	109.7	728.6
Local	8.2	8.2	8.2	5.7	2.5	8.2	8.2	47.6
Western Australia	519.5	524.2	518.0	290.4	231.9	522.4	523.1	3,125.9
Private	353.9	363.2	360.9	204.8	158.1	362.9	361.7	2,027.6
Public	165.7	161.0	157.1	85.6	73.8	159.5	161.5	1,098.3
Commonwealth	31.7	24.2	25.1	15.2	9.8	25.0	25.2	170.2
State	123.7	126.3	121.6	63.3	60.8	124.1	125.7	870.6
Local	10.3	10.5	10.4	7.2	3.3	10.5	10.5	57.5
Tasmania	152.3	149.6	154.5	89.1	67.3	156.4	155.5	860.4
Private	97.9	95.9	102.0	59.2	43.8	103.0	102.3	510.3
Public	54.4	53.6	52.5	29.9	23.5	53.5	53.2	350.0
Commonwealth	11.5	9.3	9.2	6.2	3.0	9.2	9.2	66.2
State	39.5	40.7	39.6	20.9	19.7	40.6	40.2	262.2
Local	3.4	3.6	3.7	2.8	0.9	3.7	3.7	21.6
Northern Territory	57.9	57.7	60.1	33.3	27.1	60.4	60.4	389.0
Private	36.5	36.0	37.8	21.9	16.4	38.3	38.2	212.3
Public	21.4	21.7	22.3	11.4	10.7	22.1	22.2	176.7
Commonwealth	5.0	4.8	4.6	2.8	1.9	4.6	4.3	34.8
State	15.5	16.0	16.5	7.8	8.4	16.2	16.7	135.9
Local	0.9	0.9	1.2	0.8	0.4	1.2	1.2	6.1
Aust. Capital Territory	125.4	123.3	124.5	64.9	60.7	125.6	126.4	850.0
Private	54.0	53.0	55.9	27.0	28.8	55.8	56.4	284.3
Public	71.4	70.3	68.5	37.9	31.9	69.8	70.0	565.7
State(b)	0.5	0.6	1.9	1.5	0.4	1.9	1.9	15.8
Australia	6,059.9	6,140.8	6,177.3	3,478.8	2,735.5	6,214.3	6,219.0	37,057.9
Private	4,260.6	4,408.5	4,461.0	2,505.8	1,980.8	4,486.6	4,491.5	25,246.9
Public	1,799.3	1,732.3	1,716.3	973.0	754.7	1,727.7	1,727.5	11,811.0
Commonwealth	489.1	420.5	413.3	259.1	155.3	414.5	415.0	3,054.6
State(b)	1,155.2	1,154.8	1,146.6	603.7	552.4	1,156.1	1,155.3	7,826.1
Local	155.0	157.0	156.4	110.2	47.0	157.2	157.2	930.3

(a) Australia, Public and Commonwealth values include temporary Australian Electoral Commission employees. (b) Includes employees of the N.S.W. State government employed in the A.C.T.

TABLE 5. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED, STATES AND TERRITORIES, PERSONS

State, Territory/Sector	Number of employees('000)				
	September(a) 1988	June 1989	July 1989	August 1989	September 1989
New South Wales	2,124.6	2,131.2	2,141.2	2,159.8	2,170.6
Private	1,533.4	1,570.9	1,588.8	1,603.2	1,615.1
Public	591.1	560.3	552.4	556.6	555.5
Commonwealth	160.3	134.7	133.3	134.2	134.1
State	370.1	365.0	359.3	362.9	362.1
Local	60.6	60.6	59.9	59.6	59.3
Victoria	1,702.1	1,711.2	1,734.9	1,730.0	1,733.2
Private	1,230.7	1,262.2	1,284.4	1,279.4	1,280.2
Public	471.4	448.9	450.5	450.5	452.9
Commonwealth	114.7	94.4	92.8	93.2	93.8
State	313.0	309.9	313.0	312.2	314.0
Local	43.7	44.6	44.7	45.1	45.2
Queensland	893.4	932.1	947.0	951.8	944.6
Private	636.7	679.7	691.2	696.6	693.6
Public	256.8	252.4	255.8	255.2	250.9
Commonwealth	57.6	49.6	49.3	49.0	49.1
State	172.5	175.0	178.9	178.5	174.0
Local	26.6	27.8	27.6	27.6	27.8
South Australia	491.9	511.8	510.4	510.5	513.1
Private	336.0	363.0	362.7	362.0	363.4
Public	155.9	148.9	147.7	148.4	149.7
Commonwealth	39.3	32.4	32.6	32.6	32.8
State	108.4	108.4	106.8	107.6	108.6
Local	8.3	8.1	8.2	8.3	8.3
Western Australia	520.4	522.2	520.4	522.4	523.8
Private	355.7	363.8	363.7	363.8	363.4
Public	164.7	158.4	156.7	158.7	160.4
Commonwealth	31.9	24.0	25.1	25.1	25.4
State	122.5	124.1	121.4	123.1	124.5
Local	10.4	10.3	10.2	10.4	10.5
Tasmania	153.1	150.0	154.1	157.3	156.4
Private	99.4	96.4	103.0	104.4	103.9
Public	53.7	53.6	51.1	52.9	52.5
State	38.8	40.1	39.4	39.8	39.5
Northern Territory	57.1	55.9	59.4	59.9	59.5
Private	35.6	34.5	37.3	37.5	37.2
Public	21.5	21.4	22.2	22.3	22.3
Aust. Capital Territory	126.2	122.7	124.6	126.0	127.3
Private	54.8	53.6	56.3	56.0	57.2
Public	71.5	69.1	68.3	70.0	70.1
Australia	6,068.9	6,137.1	6,192.1	6,217.7	6,228.4
Private	4,282.2	4,424.1	4,487.5	4,503.0	4,514.0
Public	1,786.6	1,713.1	1,704.6	1,714.7	1,714.4
Commonwealth	491.4	417.9	413.7	415.9	416.9
State(b)	1,141.3	1,139.1	1,137.2	1,142.2	1,141.3
Local	154.0	156.1	155.6	155.9	156.2

(a) Australia, Public and Commonwealth values include temporary Australian Electoral Commission employees. (b) Includes employees of the N.S.W. State government employed in the A.C.T.

TABLE 6. EMPLOYED WAGE AND SALARY EARNERS, STATES AND TERRITORIES, PUBLIC INSTITUTIONAL SECTOR

State, Territory/Sector	Public Trading Enterprises		Financial Enterprises		General Government Enterprises		Total Public	
	August 1989	September qtr 1989	August 1989	September qtr 1989	August 1989	September qtr 1989	August 1989	September qtr 1989
	Persons ('000)	Gross Earnings (\$m)	Persons ('000)	Gross Earnings (\$m)	Persons ('000)	Gross Earnings (\$m)	Persons ('000)	Gross Earnings (\$m)
New South Wales								
Total Public	147.7	1,146.2	28.2	160.3	384.9	2,600.6	560.7	3,907.1
Commonwealth	64.0	487.5	18.0	97.6	51.2	385.6	133.3	970.8
State	67.8	544.4	10.1	62.7	289.7	1,923.6	367.6	2,530.7
Local	15.9	114.3	—	—	43.9	291.3	59.8	405.6
Victoria								
Total Public	119.1	923.3	19.8	111.3	317.1	2,025.1	456.0	3,059.7
Commonwealth	46.9	366.1	6.9	38.8	39.2	284.2	93.0	689.1
State	70.9	546.3	12.9	72.5	233.5	1,523.4	317.2	2,142.2
Local	1.4	10.9	—	—	44.4	217.5	45.8	228.4
Queensland								
Total Public	44.0	309.2	7.5	46.1	204.8	1,293.4	256.2	1,648.7
Commonwealth	23.4	167.7	5.8	32.1	19.9	145.4	49.0	345.2
State	15.4	108.2	1.7	14.0	162.1	1,018.0	179.2	1,140.1
Local	5.2	33.3	—	—	22.7	130.0	28.0	163.3
South Australia								
Total Public	29.5	214.8	6.5	41.8	113.9	748.1	149.9	1,004.7
Commonwealth	15.6	116.6	2.3	12.6	14.6	99.3	32.5	228.5
State	13.8	97.6	4.2	29.2	91.2	601.7	109.2	728.6
Local	0.1	0.6	—	—	8.1	47.0	8.2	47.6
Western Australia								
Total Public	33.0	249.2	7.7	41.9	118.7	807.2	159.5	1,098.3
Commonwealth	11.2	80.2	2.9	13.9	10.9	76.1	25.0	170.2
State	21.8	169.0	4.8	27.9	97.4	673.7	124.1	870.6
Local	—	—	—	—	10.5	57.5	10.5	57.5
Tasmania								
Total Public	9.5	66.5	1.5	8.6	42.4	274.9	53.5	350.0
Commonwealth	3.9	28.6	0.7	3.8	4.6	33.8	9.2	66.2
State	5.2	35.6	0.9	4.9	34.5	221.8	40.6	262.2
Local	0.4	2.3	—	—	3.3	19.3	3.7	21.6
Northern Territory								
Total Public	2.8	21.9	0.4	2.7	18.8	152.1	22.1	176.7
Commonwealth	1.5	11.2	0.2	1.3	2.9	22.3	4.6	34.8
State	1.3	10.7	0.2	1.4	14.8	123.7	16.2	135.9
Local	—	—	—	—	1.2	6.1	1.2	6.1
Australian Capital Territory								
Total Public	2.7	17.9	0.8	4.9	66.2	542.9	69.8	565.7
Commonwealth	2.7	17.8	0.8	4.4	64.4	527.6	67.8	549.9
State	—	—	0.1	0.5	1.8	15.3	1.9	15.8
Local	—	—	—	—	—	—	—	—
Australia								
Total Public	388.4	2,949.0	72.4	417.7	1,266.9	8,444.2	1,727.7	11,811.0
Commonwealth	169.3	1,275.8	37.6	204.6	207.6	1,574.3	414.5	3,054.6
State	196.2	1,511.8	34.9	213.1	925.0	6,101.2	1,156.1	7,826.1
Local	23.0	161.5	—	—	134.2	768.8	157.2	930.3

TABLE 7. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA,
PUBLIC INSTITUTIONAL SECTOR, AUGUST 1989
PERSONS ('000)

<i>Industry</i>	<i>Public Trading Enterprises</i>	<i>Financial Enterprises</i>	<i>General Government</i>	<i>Total Public</i>
Agriculture, forestry, fishing and hunting	0.1	—	7.5	7.6
Mining	6.1	—	0.5	6.6
Manufacturing	22.3	0.5	14.6	37.4
Electricity, gas and water	103.5	—	14.3	117.8
Construction	4.2	—	38.0	42.2
Wholesale and retail trade	4.0	—	0.6	4.6
Transport and storage	103.1	—	33.0	136.2
Communication	126.1	—	—	126.1
Finance, property and business services	7.7	71.8	28.9	108.3
Public administration and defence(a)	0.8	0.2	309.0	310.0
Community services	0.6	—	804.9	805.5
Recreation, personal and other services	9.8	—	15.5	25.3
Total all industries	388.4	72.4	1,266.9	1,727.7

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc.

TABLE 8. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA,
PUBLIC INSTITUTIONAL SECTOR, SEPTEMBER QUARTER 1989
GROSS EARNINGS (\$m)

<i>Industry</i>	<i>Public Trading Enterprises</i>	<i>Financial Enterprises</i>	<i>General Government</i>	<i>Total Public</i>
Agriculture, forestry, fishing and hunting	0.6	—	49.1	49.8
Mining	77.3	—	3.4	80.8
Manufacturing	149.8	3.1	102.9	255.7
Electricity, gas and water	816.3	—	97.9	914.2
Construction	30.4	—	277.2	307.6
Wholesale and retail trade	26.8	—	3.1	29.9
Transport and storage	808.8	—	240.4	1,049.2
Communication	931.0	—	—	931.0
Finance, property and business services	56.6	413.0	166.9	636.4
Public administration and defence(a)	5.6	1.7	2,063.2	2,070.4
Community services	3.7	—	5,329.7	5,333.5
Recreation, personal and other services	42.1	—	110.3	152.4
Total all industries	2,949.0	417.7	8,444.2	11,811.0

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc.

TABLE 9. EMPLOYED WAGE AND SALARY EARNERS - FULL-TIME AND PART-TIME(a) - AUGUST 1989

	<i>Number of employees('000)</i>					
	<i>Full-time</i>			<i>Part-time</i>		
	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
AUSTRALIA BY INDUSTRY						
Mining	73.1	6.7	79.8	1.3	1.0	2.3
Manufacturing	756.5	248.9	1,005.4	31.0	62.8	93.8
Electricity, gas and water	106.0	12.0	118.0	1.0	1.7	2.7
Construction	268.1	31.3	299.4	12.9	14.2	27.1
Wholesale trade	263.8	99.5	363.3	19.3	38.7	58.0
Retail trade	286.2	186.6	472.7	106.4	272.9	379.3
Transport and storage	227.0	52.7	279.6	21.7	16.6	38.2
Communication	92.8	28.2	121.0	2.0	4.7	6.7
Finance, property and business services	319.3	297.6	616.9	45.1	119.7	164.8
Public administration and defence(b)	180.6	92.3	272.9	7.1	30.0	37.1
Community services	375.6	479.0	854.5	73.1	368.0	441.1
Recreation, personal and other services(c)	110.5	92.3	202.9	92.4	176.8	269.2
Total all industries(d)	3,065.5	1,628.0	4,693.5	413.3	1,107.5	1,520.8
Private	2,152.9	1,090.8	3,243.7	352.9	890.0	1,242.9
Public	912.6	537.2	1,449.8	60.4	217.5	277.9
STATES AND TERRITORIES						
New South Wales	1,049.7	578.5	1,628.2	154.6	369.6	524.1
Victoria	859.3	469.3	1,328.6	105.4	300.1	405.6
Queensland	480.0	241.4	721.4	64.1	165.5	229.6
South Australia	251.1	113.8	364.9	36.9	110.3	147.2
Western Australia	259.4	132.4	391.9	31.0	99.5	130.5
Tasmania	79.3	33.9	113.2	9.9	33.4	43.2
Northern Territory	29.6	18.2	47.8	3.7	8.8	12.6
Australian Capital Territory	57.1	40.4	97.5	7.7	20.3	28.1

(a) See Appendix 1-Explanatory Notes, paragraph 19. (b) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (c) Excludes private households employing staff. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting.

TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA - SECTOR AND INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	76.0	76.2	74.9	68.1	7.4	75.5	75.1	831.7
Manufacturing	990.8	1,020.5	1,056.7	755.4	306.4	1,061.8	1,061.3	6,945.0
Electricity, gas and water	4.3	3.8	2.9	2.1	0.7	2.9	2.8	22.5
Construction	247.4	264.8	284.3	244.4	40.0	284.4	284.4	1,990.6
Wholesale and retail trade	1,264.1	1,280.7	1,262.9	672.9	595.8	1,268.7	1,272.2	5,854.4
Transport and storage	152.9	173.1	182.0	130.6	51.1	181.7	181.3	1,163.5
Road transport	86.5	96.2	97.8	76.3	21.8	98.1	98.9	563.2
Other transport and storage	66.4	76.9	84.3	54.2	29.3	83.6	82.3	600.4
Finance, property and business services	633.8	663.7	667.4	316.8	356.5	673.3	674.7	4,469.5
Banking	90.0	90.1	91.1	39.4	52.1	91.5	92.0	557.1
Non-bank finance and investment	108.5	109.5	111.8	53.3	58.8	112.1	113.0	891.1
Insurance and services to insurance	57.9	61.1	58.9	27.2	32.0	59.2	59.3	428.7
Property and business services	377.4	403.0	405.6	197.0	213.5	410.5	410.4	2,592.6
Community services	465.3	492.1	488.1	124.4	365.8	490.1	491.6	2,396.3
Health	227.4	232.3	233.3	39.1	194.3	233.4	233.4	1,160.5
Education, museum and library services	100.9	109.3	103.9	28.3	79.2	107.6	106.3	558.1
Welfare and religious institutions	80.8	89.7	84.6	24.9	60.6	85.6	86.0	299.5
Other community services	56.3	60.8	66.4	32.0	31.6	63.6	65.9	378.2
Recreation, personal and other services(a)	425.4	432.3	440.4	190.4	256.3	446.8	446.6	1,562.8
Entertainment and recreational services	88.1	102.4	95.0	50.9	45.4	96.3	97.8	410.6
Restaurants, hotels; personal services	337.3	329.9	345.4	139.6	210.9	350.5	348.9	1,152.2
Total all industries(b)	4,260.6	4,408.5	4,461.0	2,505.8	1,980.8	4,486.6	4,491.5	25,246.9
COMMONWEALTH GOVERNMENT								
Manufacturing	22.2	21.0	18.6	15.1	3.5	18.6	18.6	132.9
Electricity, gas and water	2.2	2.3	0.9	0.7	0.2	0.9	0.9	8.3
Construction	5.5	5.3	5.1	4.6	0.5	5.1	5.1	38.5
Wholesale and retail trade	1.4	1.3	1.6	0.7	0.9	1.6	1.6	10.8
Transport and storage	40.0	40.1	40.0	30.7	9.8	40.5	40.2	338.5
Communication	126.9	127.1	126.1	94.1	32.1	126.1	127.1	931.0
Finance, property and business services	46.8	46.9	45.7	19.5	26.7	46.2	45.9	266.2
Public administration and defence(c)(e)	176.9	108.9	108.7	59.1	48.9	108.1	107.9	805.5
Community services	54.9	55.7	55.0	27.6	28.3	55.9	55.9	434.2
Recreation, personal and other services(a)	12.2	11.7	11.6	6.9	4.6	11.5	11.7	88.1
Total all industries(d)	489.1	420.5	413.3	259.1	155.3	414.5	415.0	3,054.6

For footnotes see end of table.

TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
STATE GOVERNMENT								
Agriculture, forestry, fishing and hunting	7.7	7.3	7.4	6.1	1.3	7.4	7.3	48.9
Mining	6.8	6.8	6.7	6.2	0.3	6.5	6.5	80.2
Manufacturing	20.8	19.0	18.5	16.2	1.6	17.9	17.8	116.9
Electricity, gas and water	96.8	92.9	93.7	82.7	10.8	93.5	93.2	735.3
Construction	35.7	34.9	37.4	31.9	5.2	37.1	37.2	268.8
Wholesale and retail trade	3.0	2.6	2.8	1.9	0.9	2.8	2.7	17.8
Transport and storage	97.4	95.0	94.5	85.8	8.2	93.9	93.4	699.6
Finance, property and business services	57.5	59.1	62.1	28.0	34.2	62.2	62.4	370.3
Public administration and defence(c)	73.7	77.7	72.7	43.1	30.0	73.1	72.3	532.3
Community services	742.8	746.1	737.1	296.4	451.9	748.3	749.1	4,893.1
Recreation, personal and other services	13.0	13.3	13.6	5.4	8.2	13.6	13.4	62.8
Total all industries	1,155.2	1,154.8	1,146.6	603.7	552.4	1,156.1	1,155.3	7,826.1
LOCAL GOVERNMENT								
Electricity, gas and water	23.9	23.8	23.6	21.4	2.1	23.5	23.3	170.6
Public administration and defence(c)	126.7	128.7	128.0	85.6	43.3	128.9	129.1	732.7
Other industries	4.4	4.5	4.7	3.2	1.6	4.8	4.8	27.0
Total all industries	155.0	157.0	156.4	110.2	47.0	157.2	157.2	930.3

For footnotes see end of table.

TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
TOTAL PUBLIC								
Agriculture, forestry, fishing and hunting	7.8	7.5	7.5	6.2	1.3	7.6	7.4	49.8
Mining	6.9	6.9	6.8	6.3	0.3	6.6	6.6	80.8
Manufacturing	44.1	40.7	38.0	32.2	5.2	37.4	37.3	255.7
Electricity, gas and water	122.9	119.0	118.2	104.8	13.0	117.8	117.4	914.2
Construction	41.2	40.2	42.5	36.6	5.6	42.2	42.3	307.6
Wholesale and retail trade	4.5	4.2	4.6	2.8	1.9	4.6	4.6	29.9
Transport and storage	139.0	136.9	136.3	118.0	18.1	136.2	135.4	1,049.2
Road transport	21.1	21.8	21.4	18.8	2.4	21.2	21.0	151.5
Other transport and storage	117.8	115.1	114.9	99.3	15.7	115.0	114.4	897.7
Communication	126.9	127.1	126.1	94.1	32.1	126.1	127.1	931.0
Finance, property and business services	104.3	106.1	107.8	47.5	60.8	108.3	108.3	636.4
Banking	62.9	65.0	63.3	27.0	36.3	63.3	63.2	345.2
Non-bank finance and investment	2.1	1.9	1.9	1.0	0.9	1.9	1.9	16.8
Insurance and services to insurance	14.0	14.2	14.4	5.7	9.1	14.8	14.9	103.5
Property and business services	25.3	25.0	28.2	13.7	14.6	28.3	28.4	170.9
Public administration and defence(c)(e)	377.3	315.4	309.4	187.8	122.3	310.0	309.2	2,070.4
Community services	799.0	803.1	793.4	324.3	481.2	805.5	806.4	5,333.5
Health	288.9	292.6	291.7	77.9	213.8	291.6	291.9	1,918.8
Education, museum and library services	388.5	384.7	374.9	157.1	229.0	386.1	386.8	2,494.6
Welfare and religious institutions	19.6	21.2	22.1	7.3	14.8	22.1	22.2	123.8
Other community services	102.0	104.5	104.7	82.0	23.7	105.7	105.5	796.3
Recreation, personal and other services	25.4	25.3	25.5	12.5	12.8	25.3	25.4	152.4
Total all industries	1,799.3	1,732.3	1,716.3	973.0	754.7	1,727.7	1,727.5	11,811.0
PRIVATE AND PUBLIC								
Mining	82.9	83.1	81.7	74.4	7.7	82.0	81.7	912.4
Coal	30.1	30.0	30.7	29.6	0.9	30.5	30.6	396.7
Other mining	52.8	53.1	51.1	44.7	6.8	51.6	51.2	515.8
Manufacturing	1,034.9	1,061.3	1,094.7	787.5	311.7	1,099.2	1,098.7	7,200.7
Food, beverages and tobacco	165.2	173.1	175.4	119.7	57.3	177.0	177.6	1,083.6
Textiles	34.7	31.1	34.1	19.3	14.7	34.0	33.5	215.8
Clothing	58.5	58.8	61.8	14.1	47.5	61.6	61.7	291.4
Footwear	13.3	12.1	12.9	5.2	7.6	12.8	12.7	66.2
Wood and wood products	43.7	45.0	47.7	40.1	7.1	47.2	47.2	264.1
Furniture and mattresses	31.6	33.4	34.3	27.2	7.3	34.5	34.6	176.9
Paper and paper products	23.6	21.4	25.9	21.5	4.3	25.9	25.8	204.1
Printing and allied industries	89.2	92.3	93.7	56.6	36.9	93.5	94.8	616.1
Chemicals	54.9	49.4	58.4	40.0	18.0	58.0	57.7	460.7
Petroleum and coal products	4.1	4.4	4.2	3.9	0.3	4.2	4.2	49.8
Non-metallic mineral products	41.3	43.8	45.5	39.1	6.3	45.4	45.5	339.3
Basic iron and steel	43.7	42.9	42.5	38.8	3.7	42.4	42.4	355.3
Other basic metal products	27.9	27.9	28.8	25.8	2.9	28.7	28.7	241.3
Fabricated metal products	99.2	101.8	101.4	80.0	22.4	102.4	101.5	619.9
Motor vehicles and parts	66.5	73.5	72.9	58.8	14.4	73.2	73.8	486.2
Other transport equipment	40.3	37.9	38.4	36.6	3.3	39.9	39.5	277.4
Other machinery and equipment	131.3	133.8	138.8	107.0	32.9	140.0	139.8	936.0
Miscellaneous manufacturing	66.0	78.7	78.1	53.7	24.8	78.5	77.8	516.6

For footnotes see end of table.

TABLE 10. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC-continued								
Electricity, gas and water	127.2	122.8	121.0	107.0	13.7	120.7	120.2	936.8
Electricity and gas	87.2	83.8	82.3	72.2	9.8	81.9	81.7	670.2
Water, sewerage and drainage	40.0	39.0	38.8	34.8	4.0	38.8	38.6	266.6
Construction	288.7	305.0	326.8	281.0	45.6	326.6	326.7	2,298.2
Wholesale and retail trade	1,268.5	1,284.9	1,267.5	675.6	597.7	1,273.4	1,276.8	5,884.3
Wholesale trade	414.7	417.9	418.0	283.1	138.2	421.3	424.5	2,714.9
Retail trade	853.9	867.0	849.5	392.6	459.5	852.1	852.3	3,169.4
Motor vehicles, petrol, tyres	198.1	210.7	209.5	163.8	46.2	210.0	209.0	1,053.9
Other retail trade	655.8	656.3	640.1	228.8	413.3	642.1	643.3	2,115.5
Transport and storage	291.9	310.0	318.3	248.6	69.2	317.9	316.7	2,212.7
Road transport	107.6	118.0	119.2	95.1	24.2	119.3	120.0	714.6
Rail transport	77.2	73.6	73.6	67.8	5.3	73.1	72.9	542.6
Water transport	*8.8	*10.1	9.0	6.5	*1.9	8.4	8.3	69.2
Air transport	33.4	37.5	35.9	23.3	13.4	36.7	35.1	298.8
Other transport and storage	64.9	70.8	80.7	55.9	24.5	80.4	80.5	587.4
Communication	127.5	128.3	127.6	94.8	32.8	127.6	128.5	941.6
Finance, property and business services	738.1	769.8	775.2	364.3	417.3	781.6	783.0	5,105.9
Banking	153.0	155.1	154.5	66.4	88.4	154.8	155.1	902.3
Non-bank finance	43.6	44.7	38.2	16.1	22.2	38.3	38.4	287.1
Investment; services to finance and investment	67.0	66.7	75.5	38.3	37.5	75.7	76.5	620.8
Insurance and services to insurance	71.9	75.3	73.2	32.9	41.1	74.0	74.2	532.2
Property and business services	402.7	428.0	433.8	210.7	228.1	438.8	438.8	2,763.5
Public admin. and defence(c)(e)	377.3	315.4	309.4	187.8	122.3	310.0	309.2	2,070.4
Commonwealth government admin.(e)	153.0	86.3	84.2	43.0	40.6	83.6	83.7	636.5
State government admin.	67.2	71.3	66.5	39.6	27.2	66.8	65.9	485.6
Local government admin.	126.7	129.4	128.6	85.8	43.6	129.4	129.6	736.0
Other public admin. and defence(c)	30.3	28.4	30.1	19.4	10.9	30.3	30.0	212.3
Community services	1,264.3	1,295.2	1,281.5	448.6	847.0	1,295.6	1,298.0	7,729.8
Health	516.3	525.0	525.0	116.9	408.1	525.0	525.3	3,079.3
Education, museum and library services	489.5	494.0	478.7	185.4	308.2	493.6	493.1	3,052.7
Welfare and religious institutions	100.3	111.0	106.7	32.2	75.5	107.7	108.2	423.3
Other community services	158.2	165.3	171.1	114.1	55.3	169.3	171.5	1,174.5
Recreation, personal and other services(a)	450.8	457.6	465.9	202.9	269.1	472.1	472.1	1,715.2
Entertainment and recreational services	109.4	123.8	116.6	61.7	55.8	117.5	119.2	543.5
Restaurants, hotels; personal services	341.5	333.8	349.3	141.2	213.3	354.5	352.9	1,171.8
Total all industries(d)	6,059.9	6,140.8	6,177.3	3,478.8	2,735.5	6,214.3	6,219.0	37,057.9

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (e) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 11. EMPLOYED WAGE AND SALARY EARNERS, SEASONALLY ADJUSTED, AUSTRALIA

Industry	Number of employees('000)				
	September 1988	June 1989	July 1989	August 1989	September 1989
Mining	83.1	83.3	81.5	81.7	81.8
Manufacturing	1,042.2	1,063.6	1,102.0	1,104.9	1,106.7
Construction	290.4	304.2	329.8	328.0	328.7
Wholesale and retail trade	1,288.2	1,296.0	1,279.6	1,287.5	1,296.5
Transport and storage	293.6	311.7	319.4	317.8	318.6
Communication	128.1	128.2	128.7	128.4	129.2
Finance, property and business services	741.2	768.9	777.7	782.9	786.2
Public administration and defence(a)(d)	376.5	312.9	307.7	308.7	308.5
Community services	1,241.6	1,277.9	1,266.5	1,272.1	1,274.4
Recreation, personal and other services	456.2	460.8	477.4	477.5	477.7
Total all Industries(b)(c)	6,068.9	6,137.1	6,192.1	6,217.7	6,228.4

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates, etc. (b) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (c) Derived indirectly by the addition of seasonally adjusted private and public sector estimates, not by the summation of the component industries because not all industries are seasonally adjusted. (d) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 12. EMPLOYED WAGE AND SALARY EARNERS, NEW SOUTH WALES - SECTOR AND INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	21.1	21.4	21.0	19.9	1.1	20.9	21.0	253.9
Manufacturing	348.8	346.4	355.2	252.6	105.0	357.6	357.1	2,463.1
Electricity, gas and water; construction	84.6	88.6	90.4	78.3	12.9	91.2	92.7	648.5
Wholesale and retail trade	440.1	443.4	429.9	229.7	202.8	432.5	433.3	2,084.2
Transport and storage	54.4	60.8	68.8	48.3	19.5	67.8	67.5	462.7
Finance, property and business services	252.9	261.2	268.4	129.8	143.3	273.1	274.3	1,945.5
Banking	34.4	34.0	34.4	15.0	19.6	34.6	34.8	230.8
Non-bank finance, investment and insurance	71.0	69.0	76.4	37.8	38.8	76.6	77.9	655.0
Property and business services	147.5	158.3	157.6	77.0	84.9	161.9	161.7	1,059.8
Community services	157.9	168.3	170.8	43.2	127.9	171.0	173.1	856.8
Health	79.7	81.1	78.4	13.9	65.2	79.1	79.3	396.1
Education, museum and library services	36.2	39.5	38.1	8.8	30.5	39.3	38.9	204.7
Welfare and other community services	42.0	47.7	54.4	20.4	32.2	52.6	54.8	256.0
Recreation, personal and other services(a)	158.9	170.6	173.0	80.1	96.5	176.6	179.7	666.9
Total all industries(b)	1,518.9	1,561.5	1,578.2	882.3	709.4	1,591.6	1,599.6	9,388.7
PUBLIC								
Agriculture, forestry, fishing and hunting	3.1	2.8	2.8	2.3	0.5	2.8	2.8	19.2
Mining	3.5	3.5	3.5	3.2	0.1	3.3	3.2	52.2
Manufacturing	17.5	16.3	15.6	13.6	1.5	15.1	15.0	115.6
Electricity, gas and water; construction	56.8	52.7	55.5	48.4	6.8	55.2	55.1	427.4
Wholesale and retail trade	0.7	0.7	0.7	0.4	0.3	0.7	0.7	5.5
Transport and storage	54.7	53.6	53.2	44.6	8.7	53.2	52.9	420.0
Communication	45.2	45.4	44.5	33.1	11.5	44.6	44.4	329.4
Finance, property and business services	45.4	44.9	43.8	16.7	27.2	43.9	44.0	232.3
Banking	25.4	25.9	24.7	10.5	14.0	24.5	24.6	128.6
Non-bank finance, investment and insurance	5.1	5.1	5.1	2.0	3.4	5.4	5.3	41.3
Property and business services	14.9	14.0	14.0	4.2	9.8	14.0	14.1	62.4
Public administration and defence(c)(e)	112.4	87.4	84.2	53.7	30.4	84.1	84.2	585.0
Community services	246.9	249.6	242.9	100.8	146.9	247.7	249.4	1,653.0
Health	88.1	89.3	87.3	23.0	63.8	86.8	86.9	596.6
Education, museum and library services	115.3	115.4	108.6	47.8	65.9	113.7	115.3	739.7
Welfare and other community services	43.5	44.9	47.1	30.0	17.2	47.2	47.3	316.7
Recreation, personal and other services	10.7	9.6	10.0	5.1	4.9	10.0	9.8	67.5
Total all industries	596.9	566.6	556.6	322.0	238.7	560.7	561.5	3,907.1

For footnotes see end of table.

TABLE 12. EMPLOYED WAGE AND SALARY EARNERS, NEW SOUTH WALES - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	24.7	25.0	24.4	23.0	1.1	24.2	24.2	306.1
Manufacturing	366.2	362.7	370.8	266.3	106.5	372.7	372.1	2,578.6
Food, beverages and tobacco	54.8	52.5	53.6	35.3	18.7	54.0	54.0	349.3
Textiles; clothing and footwear	27.9	28.2	30.3	10.6	19.6	30.2	29.4	171.5
Wood and wood products	13.3	15.0	15.6	13.2	2.3	15.5	15.6	89.7
Furniture and mattresses	8.5	9.5	9.6	7.5	2.2	9.7	9.8	52.8
Paper, paper products, printing and publishing	39.3	39.2	41.6	25.2	15.7	40.8	42.1	300.1
Chemical, petroleum and coal products	27.6	24.9	29.7	19.6	9.8	29.5	29.0	249.1
Non-metallic mineral products	14.1	14.3	15.5	13.2	2.4	15.6	15.8	115.5
Basic metal products	35.3	33.8	33.6	30.5	3.0	33.5	33.3	284.1
Fabricated metal products	34.6	34.0	32.8	25.5	7.4	32.9	33.0	213.7
Motor vehicles and parts	8.2	9.4	8.7	6.9	1.8	8.7	8.7	57.2
Other transport equipment	17.8	16.6	15.5	15.7	1.3	17.0	16.7	115.5
Other machinery and equipment	61.0	56.7	57.1	43.7	14.4	58.1	57.8	398.8
Miscellaneous manufacturing	23.8	28.5	27.0	19.4	7.8	27.2	26.8	181.1
Electricity, gas and water	45.1	41.9	40.3	35.6	4.6	40.2	39.9	311.4
Construction	96.3	99.5	105.6	91.1	15.1	106.2	107.8	764.5
Wholesale and retail trade	440.8	444.1	430.6	230.1	203.1	433.2	434.0	2,089.7
Wholesale trade	144.8	146.1	142.1	95.4	46.9	142.3	143.0	975.5
Retail trade	296.1	298.0	288.5	134.7	156.2	290.9	291.0	1,114.2
Motor vehicles, petrol, tyres	67.8	73.0	74.1	58.1	16.5	74.7	74.9	384.6
Other retail trade	228.3	225.0	214.4	76.6	139.6	216.2	216.1	729.6
Transport and storage	109.1	114.4	122.0	92.8	28.2	121.0	120.4	882.7
Road transport	37.6	42.8	44.5	35.8	8.1	43.9	43.5	290.6
Other transport and storage	71.4	71.6	77.5	57.0	20.1	77.1	76.9	592.1
Communication	45.4	46.1	45.3	33.6	11.9	45.5	45.3	336.4
Finance, property and business services	298.3	306.1	312.2	146.5	170.5	317.0	318.3	2,177.9
Banking	59.7	59.8	59.1	25.5	33.6	59.1	59.4	359.4
Non-bank finance and investment	49.1	44.8	53.2	27.1	25.9	53.0	54.3	467.9
Insurance and services to insurance	27.0	29.3	28.2	12.7	16.2	28.9	28.9	228.3
Property and business services	162.4	172.2	171.6	81.2	94.7	175.9	175.8	1,122.2
Public admin. and defence(c)(e)	112.4	87.4	84.2	53.7	30.4	84.1	84.2	585.0
Commonwealth government admin.(e)	43.3	17.7	17.4	7.8	9.4	17.2	17.3	120.7
State government admin.	19.3	21.5	19.1	10.8	8.3	19.1	19.0	148.8
Local government admin.	41.2	41.1	40.5	29.8	10.8	40.6	40.8	265.3
Other public admin. and defence(c)	8.5	7.2	7.1	5.2	2.0	7.2	7.2	50.3
Community services	404.9	417.9	413.7	144.0	274.8	418.8	422.5	2,509.8
Health	167.8	170.4	165.6	36.9	129.0	165.9	166.2	992.7
Education, museum and library services	151.6	155.0	146.6	56.7	96.4	153.1	154.2	944.4
Welfare and other community services	85.5	92.6	101.5	50.4	49.4	99.8	102.1	572.7
Recreation, personal and other services(a)	169.6	180.3	183.0	85.2	101.4	186.6	189.5	734.4
Entertainment and recreational services	41.2	55.8	50.7	27.6	25.2	52.8	54.8	270.3
Restaurants, hotels; personal services	128.4	124.5	132.3	57.6	76.2	133.8	134.7	464.1
Total all industries(d)	2,115.8	2,128.1	2,134.8	1,204.2	948.1	2,152.3	2,161.1	13,295.8

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (e) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 13. EMPLOYED WAGE AND SALARY EARNERS, VICTORIA - SECTOR AND INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	5.4	5.2	5.4	4.6	0.7	5.3	5.3	57.5
Manufacturing	337.3	345.2	370.7	250.6	119.9	370.5	370.9	2,458.1
Electricity, gas and water; construction	66.7	68.2	77.4	63.5	11.3	74.8	75.1	535.6
Wholesale and retail trade	355.0	351.3	352.3	192.8	160.9	353.7	353.5	1,725.7
Transport and storage	44.3	46.9	48.0	33.2	13.9	47.1	46.5	285.3
Finance, property and business services	184.5	197.5	191.3	92.1	98.9	191.0	190.2	1,341.9
Banking	26.4	26.3	27.1	12.6	14.6	27.1	27.3	168.3
Non-bank finance, investment and insurance	51.1	58.8	53.2	23.5	30.2	53.8	53.5	390.1
Property and business services	107.0	112.4	111.0	56.0	54.1	110.1	109.4	783.5
Community services	127.6	138.6	131.5	34.9	97.6	132.5	132.7	649.1
Health	55.9	55.0	56.1	9.5	45.7	55.2	55.4	275.9
Education, museum and library services	32.7	36.8	33.3	9.2	25.4	34.6	34.1	182.6
Welfare and other community services	39.0	46.8	42.1	16.2	26.5	42.7	43.3	190.6
Recreation, personal and other services(a)	105.9	100.5	102.0	44.8	58.1	102.9	101.7	314.5
Total all industries(b)	1,226.8	1,253.5	1,279.0	716.5	561.6	1,278.1	1,276.3	7,369.7
PUBLIC								
Agriculture, forestry, fishing and hunting	—	—	—	—	—	—	—	0.3
Mining	2.2	2.2	2.2	2.2	—	2.2	2.3	19.5
Manufacturing	12.7	11.2	9.4	7.3	2.0	9.3	9.3	60.3
Electricity, gas and water; construction	45.2	44.6	43.7	38.3	5.1	43.4	43.1	344.1
Wholesale and retail trade	1.1	1.2	1.4	0.8	0.7	1.5	1.4	10.5
Transport and storage	31.1	30.5	30.5	26.5	4.0	30.5	30.4	250.1
Communication	36.0	36.6	36.1	26.9	9.4	36.3	36.9	275.0
Finance, property and business services	21.8	22.8	26.0	12.0	14.2	26.1	25.9	159.4
Banking	17.6	18.4	18.3	7.6	10.6	18.3	18.0	101.1
Non-bank finance, investment and insurance	3.1	3.1	3.1	1.1	2.1	3.2	3.2	19.9
Property and business services	1.0	1.3	4.6	3.3	1.4	4.6	4.7	38.4
Public administration and defence(c)(e)	101.1	85.7	83.6	46.1	38.4	84.5	84.2	493.9
Community services	218.5	213.1	215.3	85.8	131.1	216.9	217.3	1,418.0
Health	85.3	85.9	88.5	22.3	66.3	88.6	88.6	558.3
Education, museum and library services	105.6	99.1	99.3	43.2	57.6	100.8	101.2	648.8
Welfare and other community services	27.6	28.1	27.5	20.3	7.2	27.5	27.5	210.9
Recreation, personal and other services	5.1	5.7	5.5	2.4	2.9	5.3	5.5	28.4
Total all industries	474.8	453.8	453.8	248.2	207.8	456.0	456.3	3,059.7

For footnotes see end of table.

TABLE 13. EMPLOYED WAGE AND SALARY EARNERS, VICTORIA - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)							Gross earnings
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	7.5	7.4	7.6	6.8	0.8	7.5	7.6	77.0
Manufacturing	350.0	356.4	380.1	257.9	122.0	379.9	380.3	2,518.5
Food, beverages and tobacco	47.0	47.2	51.9	34.9	17.5	52.4	52.7	328.4
Textiles; clothing and footwear	58.8	55.5	58.3	20.9	37.2	58.1	58.4	305.9
Wood and wood products	10.1	10.7	11.1	8.7	1.8	10.5	10.6	58.3
Furniture and mattresses	9.9	10.5	11.7	9.1	2.4	11.6	11.6	63.7
Paper, paper products, printing and publishing	36.1	34.8	39.7	27.6	12.3	39.9	40.1	281.7
Chemical, petroleum and coal products	20.3	18.3	21.5	15.1	6.3	21.4	21.4	171.4
Non-metallic mineral products	11.5	14.2	13.8	11.3	2.2	13.5	13.6	106.6
Basic metal products	12.8	13.5	14.0	12.4	1.6	14.0	14.0	119.5
Fabricated metal products	31.3	29.8	29.7	21.8	8.0	29.8	29.1	185.6
Motor vehicles and parts	39.5	42.0	41.9	33.1	9.2	42.3	42.7	289.6
Other transport equipment	9.7	9.6	10.5	9.3	1.2	10.5	10.5	81.7
Other machinery and equipment	38.1	42.5	46.7	34.9	11.7	46.6	46.6	320.9
Miscellaneous manufacturing	24.8	27.8	29.3	18.8	10.6	29.4	29.0	205.2
Electricity, gas and water	38.6	38.2	38.1	33.4	4.6	38.0	37.6	304.9
Construction	73.3	74.7	83.0	68.4	11.9	80.2	80.5	574.8
Wholesale and retail trade	356.1	352.5	353.7	193.5	161.6	355.1	355.0	1,736.2
Wholesale trade	130.5	124.9	127.8	84.6	45.3	129.8	130.6	861.4
Retail trade	225.6	227.6	225.9	109.0	116.3	225.3	224.4	874.8
Motor vehicles, petrol, tyres	53.6	55.9	55.8	44.7	10.8	55.6	55.1	283.0
Other retail trade	171.9	171.7	170.1	64.2	105.5	169.7	169.3	591.8
Transport and storage	75.3	77.4	78.5	59.7	17.9	77.6	76.9	535.4
Road transport	31.4	32.0	29.6	22.5	*7.1	29.6	29.8	154.6
Other transport and storage	43.9	45.4	48.8	37.2	10.8	48.0	47.1	380.9
Communication	36.2	36.8	36.4	27.0	9.6	36.6	37.2	276.9
Finance, property and business services	206.3	220.3	217.3	104.1	113.1	217.1	216.1	1,501.4
Banking	44.1	44.6	45.3	20.2	25.2	45.4	45.2	269.4
Non-bank finance and investment	33.8	40.4	37.0	15.7	21.8	37.5	37.2	*272.0
Insurance and services to insurance	20.4	21.5	19.3	8.9	10.6	19.5	19.6	138.0
Property and business services	108.1	113.7	115.7	59.2	55.5	114.7	114.1	821.9
Public admin. and defence(c)(e)	101.1	85.7	83.6	46.1	38.4	84.5	84.2	493.9
Commonwealth government admin.(e)	30.8	13.2	12.6	6.6	6.1	12.7	12.6	88.1
State government admin.	19.7	20.6	18.1	11.1	7.2	18.3	18.2	125.6
Local government admin.	41.8	42.9	42.8	22.0	21.4	43.4	43.3	213.7
Other public admin. and defence(c)	8.7	8.9	10.1	6.5	3.6	10.1	10.1	66.4
Community services	346.1	351.8	346.8	120.7	228.7	349.4	350.1	2,067.2
Health	141.2	140.9	144.6	31.7	112.0	143.8	144.0	834.2
Education, museum and library services	138.3	135.9	132.7	52.5	82.9	135.4	135.3	831.4
Welfare and other community services	66.6	74.9	69.6	36.5	33.7	70.2	70.8	401.6
Recreation, personal and other services(a)	111.0	106.2	107.6	47.2	61.0	108.3	107.2	342.9
Entertainment and recreational services	30.0	29.9	30.0	14.8	13.8	28.5	28.0	119.0
Restaurants, hotels; personal services	81.0	76.3	77.6	32.5	47.3	79.7	79.2	223.8
Total all industries(d)	1,701.6	1,707.3	1,732.8	964.7	769.5	1,734.2	1,732.6	10,429.4

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (e) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 14. EMPLOYED WAGE AND SALARY EARNERS, QUEENSLAND - SECTOR AND INDUSTRY

Industry	Number of employees('000)							Gross earnings
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	17.5	18.8	18.1	17.0	1.5	18.5	18.1	212.4
Manufacturing	115.1	127.0	126.5	97.5	31.2	128.8	128.6	760.3
Electricity,gas and water; construction	46.8	48.7	51.0	46.9	6.6	53.5	52.0	348.8
Wholesale and retail trade	205.2	216.2	213.9	113.1	103.0	216.1	217.3	947.5
Transport and storage	22.1	31.6	30.0	22.4	8.5	30.9	32.2	192.8
Finance, property and business services	83.8	89.3	92.5	42.8	50.4	93.2	93.8	513.3
Banking	13.1	14.5	14.5	5.7	8.8	14.5	14.5	80.1
Non-bank finance, investment and insurance	15.6	16.4	16.8	*8.8	7.9	16.8	16.9	*112.1
Property and business services	55.0	58.5	61.2	28.3	33.6	61.9	62.3	321.1
Community services	70.3	74.9	75.5	19.0	55.9	75.0	74.0	371.8
Health	33.4	37.9	38.1	6.7	31.4	38.2	37.7	203.7
Education, museum and library services	15.0	14.9	15.0	4.2	11.1	15.3	14.8	77.7
Welfare and other community services	21.9	22.1	22.3	8.1	13.4	21.5	21.5	90.5
Recreation, personal and other services(a)	75.9	76.3	77.2	31.1	47.4	78.6	77.7	272.2
Total all industries(b)	636.9	683.0	684.8	390.0	304.7	694.7	694.0	3,620.3
PUBLIC								
Agriculture, forestry, fishing and hunting	1.6	1.5	1.5	1.3	0.2	1.5	1.5	9.3
Manufacturing	5.8	5.7	5.3	4.7	0.5	5.2	5.3	32.6
Electricity,gas and water; construction	21.9	22.0	22.0	19.3	2.6	22.0	22.1	158.9
Wholesale and retail trade	1.7	1.4	1.5	1.0	0.4	1.4	1.5	7.9
Transport and storage	27.2	27.0	27.1	24.3	2.7	26.9	26.7	184.5
Communication	20.6	21.0	20.7	15.5	4.9	20.4	20.6	146.0
Finance, property and business services	12.0	12.2	11.9	5.9	6.1	12.0	12.0	73.7
Banking	6.1	6.0	5.7	2.4	3.4	5.8	5.8	31.9
Non-bank finance, investment and insurance	3.2	3.3	3.4	1.6	1.8	3.4	3.4	24.4
Property and business services	2.7	2.9	2.8	1.9	0.9	2.8	2.8	17.4
Public administration and defence(c)(e)	52.1	45.9	45.8	30.8	14.6	45.5	44.7	276.2
Community services	113.0	116.6	118.6	50.2	68.9	119.1	115.7	747.6
Health	36.1	37.2	36.3	11.3	25.1	36.4	36.5	228.2
Education, museum and library services	57.9	58.8	61.6	23.5	38.4	61.9	58.5	381.7
Welfare and other community services	19.0	20.6	20.7	15.4	5.4	20.8	20.8	137.7
Recreation, personal and other services	2.1	2.1	2.2	0.9	1.3	2.2	2.2	11.9
Total all industries	258.0	255.4	256.5	154.1	102.1	256.2	252.2	1,648.7

For footnotes see end of table.

TABLE 14. EMPLOYED WAGE AND SALARY EARNERS, QUEENSLAND - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	17.5	18.8	18.1	17.0	1.5	18.5	18.1	212.4
Coal	9.3	9.2	9.6	9.2	0.4	9.7	9.7	127.1
Other mining	8.2	9.6	8.4	7.8	1.1	8.9	8.4	85.3
Manufacturing	120.9	132.7	131.8	102.2	31.7	134.0	133.9	792.9
Food, beverages and tobacco	28.9	36.6	35.3	26.4	9.3	35.7	35.6	214.6
Textiles; clothing and footwear	6.6	5.6	6.6	1.7	5.0	6.6	6.6	30.4
Wood and wood products	6.1	5.6	5.9	4.9	*1.2	6.1	6.2	29.3
Furniture and mattresses	5.0	5.6	5.9	4.9	1.2	6.2	6.2	29.5
Paper, paper products, printing and publishing	14.2	15.3	13.5	9.3	4.6	13.9	13.7	82.8
Chemical, petroleum and coal products	4.2	4.0	4.3	3.3	1.0	4.3	4.3	29.5
Non-metallic mineral products	7.0	7.6	7.8	7.1	0.7	7.8	7.6	55.5
Basic metal products	6.5	6.1	6.1	5.5	0.5	6.0	6.0	47.8
Fabricated metal products	14.2	17.2	16.9	14.5	3.3	17.8	18.2	93.1
Motor vehicles and parts	3.8	5.3	5.4	4.9	0.4	5.2	5.2	31.6
Other transport equipment	7.4	6.2	6.7	6.4	0.3	6.7	6.8	42.7
Other machinery and equipment	11.0	9.6	9.5	8.0	1.7	9.6	9.6	59.6
Miscellaneous manufacturing	6.0	8.2	7.9	5.4	2.6	8.0	8.0	46.6
Electricity, gas and water	15.0	14.7	14.6	12.9	1.7	14.6	14.6	109.1
Construction	53.7	56.0	58.4	53.3	7.5	60.9	59.5	398.6
Wholesale and retail trade	206.9	217.7	215.4	114.1	103.4	217.5	218.8	955.3
Wholesale trade	60.2	69.2	70.1	49.3	22.2	71.5	72.6	420.2
Retail trade	146.8	148.4	145.3	64.8	81.2	146.0	146.2	535.2
Motor vehicles, petrol, tyres	36.9	37.2	36.7	27.2	10.1	37.4	36.8	179.2
Other retail trade	109.9	111.3	108.5	37.6	71.1	108.7	109.4	356.0
Transport and storage	49.3	58.6	57.0	46.7	11.2	57.9	59.0	377.3
Road transport	14.4	18.0	19.1	15.1	*4.2	19.4	20.8	112.1
Other transport and storage	34.9	40.7	38.0	31.6	6.9	38.5	38.1	265.2
Communication	20.8	21.1	20.8	15.6	5.0	20.6	20.7	147.2
Finance, property and business services	95.7	101.5	104.4	48.7	56.4	105.2	105.8	586.9
Banking	19.2	20.4	20.2	8.1	12.2	20.3	20.3	112.0
Non-bank finance and investment	10.1	*10.8	*9.9	*5.5	4.3	*9.9	*10.0	*75.3
Insurance and services to insurance	8.6	8.8	10.3	*4.9	5.4	10.3	10.3	61.2
Property and business services	57.8	61.4	64.0	30.2	34.5	64.7	65.1	338.4
Public admin. and defence(c)(e)	52.1	45.9	45.8	30.8	14.6	45.5	44.7	276.2
Commonwealth government admin.(e)	18.3	9.8	9.8	4.6	4.9	9.6	9.6	69.1
State government admin.	9.4	10.1	10.4	6.1	4.3	10.4	9.5	60.8
Local government admin.	21.5	22.8	22.4	18.2	4.2	22.4	22.5	127.9
Other public admin. and defence(c)	2.9	3.1	3.1	1.9	1.2	3.1	3.1	18.4
Community services	183.3	191.5	194.1	69.2	124.8	194.0	189.7	1,119.4
Health	69.5	75.1	74.4	18.0	56.5	74.5	74.2	431.9
Education, museum and library services	72.9	73.7	76.7	27.7	49.5	77.1	73.3	459.4
Welfare and other community services	40.9	42.7	43.0	23.5	18.8	42.3	42.2	228.2
Recreation, personal and other services(a)	78.0	78.4	79.3	32.1	48.7	80.8	79.9	284.1
Entertainment and recreational services	15.1	14.9	15.5	8.3	7.3	15.6	16.0	54.3
Restaurants, hotels; personal services	62.9	63.6	63.8	23.8	41.5	65.2	63.9	229.9
Total all industries(d)	894.9	938.4	941.3	544.1	406.8	950.9	946.2	5,268.9

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (e) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 15. EMPLOYED WAGE AND SALARY EARNERS, SOUTH AUSTRALIA - SECTOR AND INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	
PRIVATE								
Mining	4.5	3.8	3.1	2.6	0.5	3.1	3.1	27.6
Manufacturing	91.9	100.0	100.2	75.0	25.0	100.0	100.6	609.3
Electricity, gas and water; construction	18.2	21.7	25.2	22.0	2.7	24.8	24.2	*168.4
Wholesale and retail trade	99.5	109.2	102.9	52.3	50.3	102.7	103.5	405.7
Transport and storage	11.1	11.6	12.0	9.1	2.8	11.9	11.7	66.8
Finance, property and business services	40.3	42.0	41.3	18.6	22.4	41.1	40.9	232.4
Banking	5.7	5.6	5.5	2.3	3.1	5.4	5.4	29.5
Non-bank finance, investment and insurance	10.1	9.7	9.0	4.0	4.9	8.9	8.8	60.4
Property and business services	24.4	26.6	26.9	12.4	14.4	26.8	26.7	142.6
Community services	40.7	42.0	42.9	10.0	33.7	43.7	43.9	205.7
Health	24.3	23.7	25.2	3.6	21.7	25.3	25.6	123.3
Education, museum and library services	5.5	6.8	7.0	2.9	4.6	7.6	7.6	38.7
Welfare and other community services	10.9	11.5	10.8	3.5	*7.3	10.8	10.7	43.7
Recreation, personal and other services(a)	29.3	32.1	34.8	14.4	20.5	34.9	35.3	117.6
Total all industries(b)	335.7	362.4	362.5	204.2	158.0	362.2	363.1	1,833.7
PUBLIC								
Agriculture, forestry, fishing and hunting	0.7	0.7	0.7	0.5	0.1	0.6	0.6	3.6
Mining	1.2	1.1	1.2	1.0	0.2	1.1	1.1	9.0
Manufacturing	3.8	3.5	3.7	3.2	0.4	3.7	3.7	19.7
Electricity, gas and water; construction	15.1	14.9	14.7	13.2	1.5	14.7	14.7	98.8
Wholesale and retail trade	0.2	0.1	0.2	0.1	0.1	0.2	0.2	1.1
Transport and storage	10.6	10.3	10.2	9.2	0.9	10.2	10.1	75.8
Communication	9.4	9.2	9.1	7.1	2.0	9.1	9.1	68.2
Finance, property and business services	9.3	9.3	9.3	4.8	4.6	9.4	9.5	62.4
Banking	5.8	5.7	5.7	2.8	2.9	5.7	5.8	36.3
Non-bank finance, investment and insurance	1.5	1.3	1.4	0.6	0.8	1.4	1.4	9.0
Property and business services	2.1	2.3	2.3	1.4	0.9	2.3	2.3	17.1
Public administration and defence(c)(e)	26.9	21.4	21.0	12.9	8.2	21.0	21.3	134.6
Community services	76.7	76.6	76.2	30.8	46.5	77.2	77.5	517.1
Health	30.0	30.5	30.8	7.9	23.0	30.9	30.8	185.1
Education, museum and library services	34.5	33.9	33.2	13.7	20.4	34.1	34.5	246.7
Welfare and other community services	12.3	12.2	12.3	9.2	3.1	12.3	12.2	85.3
Recreation, personal and other services	2.7	2.9	2.7	1.1	1.7	2.7	2.8	14.5
Total all industries	156.7	149.8	149.0	83.9	66.1	149.9	150.6	1,004.7

For footnotes see end of table.

TABLE 15. EMPLOYED WAGE AND SALARY EARNERS, SOUTH AUSTRALIA - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	5.7	4.9	4.2	3.5	0.7	4.2	4.2	36.6
Manufacturing	95.8	103.5	103.9	78.3	25.4	103.7	104.3	629.0
Food, beverages and tobacco	15.9	17.8	16.0	10.8	5.1	15.9	16.0	84.4
Textiles; clothing and footwear	7.2	6.7	7.8	3.2	4.4	7.7	7.8	38.3
Wood and wood products	5.8	5.7	5.3	4.7	0.6	5.3	5.1	31.2
Furniture and mattresses	2.5	2.7	2.9	2.4	0.5	2.9	2.9	12.3
Paper, paper products, printing and publishing	7.6	7.7	8.2	5.7	2.5	8.2	8.3	50.3
Chemical, petroleum and coal products	2.4	2.3	2.5	2.1	*0.4	2.5	2.5	22.2
Non-metallic mineral products	3.0	2.6	3.1	2.8	0.3	3.1	3.0	22.2
Basic metal products	7.6	7.4	7.8	7.2	0.6	7.7	7.8	60.6
Fabricated metal products	9.5	9.2	8.9	7.1	1.7	8.8	8.8	48.9
Motor vehicles and parts	12.8	14.4	14.4	11.7	2.7	14.4	14.6	93.9
Other transport equipment	2.0	2.1	2.2	2.0	0.2	2.2	2.2	13.8
Other machinery and equipment	11.8	15.9	15.5	11.9	3.8	15.7	15.8	94.9
Miscellaneous manufacturing	7.8	8.9	9.3	6.7	2.7	9.3	9.4	56.1
Electricity, gas and water	10.7	10.5	10.5	9.4	1.1	10.5	10.5	72.3
Construction	22.7	26.0	29.4	25.8	3.2	29.0	28.4	*194.9
Wholesale and retail trade	99.7	109.3	103.1	52.4	50.4	102.8	103.7	406.8
Wholesale trade	32.5	30.9	30.6	19.7	10.8	30.5	31.0	167.3
Retail trade	67.2	78.4	72.5	32.7	39.6	72.3	72.7	239.5
Motor vehicles, petrol, tyres	16.4	21.0	18.1	14.0	3.6	17.7	17.6	82.1
Other retail trade	50.9	57.5	54.4	18.6	36.0	54.6	55.1	157.3
Transport and storage	21.7	21.8	22.1	18.4	3.7	22.0	21.8	142.7
Road transport	9.3	9.9	9.9	8.7	1.2	9.9	9.8	60.9
Other transport and storage	12.4	11.9	12.2	9.7	2.5	12.1	12.0	81.8
Communication	9.4	9.2	9.2	7.1	2.0	9.1	9.2	68.3
Finance, property and business services	49.7	51.2	50.7	23.4	27.0	50.5	50.4	294.8
Banking	11.6	11.3	11.1	5.1	6.0	11.1	11.2	65.8
Non-bank finance and investment	5.1	4.5	3.9	1.6	2.2	3.8	3.7	23.0
Insurance and services to insurance	6.5	6.5	6.5	2.9	3.5	6.4	6.4	46.4
Property and business services	26.5	28.9	29.2	13.8	15.3	29.1	29.0	159.7
Public admin. and defence(c)(e)	26.9	21.4	21.0	12.9	8.2	21.0	21.3	134.6
Commonwealth government admin.(e)	10.7	6.3	5.7	3.0	2.6	5.7	5.7	37.5
State government admin.	5.8	5.6	5.2	3.2	2.0	5.3	5.3	35.9
Local government admin.	8.1	8.0	8.0	5.6	2.4	8.0	8.0	46.3
Other public admin. and defence(c)	*2.3	1.5	*2.0	1.0	*1.1	*2.1	*2.3	*14.8
Community services	117.4	118.6	119.2	40.8	80.2	121.0	121.4	722.8
Health	54.3	54.3	55.9	11.5	44.7	56.2	56.4	308.4
Education, museum and library services	40.0	40.7	40.2	16.6	25.0	41.7	42.0	285.4
Welfare and other community services	23.2	23.6	23.0	12.7	10.4	23.1	22.9	129.0
Recreation, personal and other services(a)	32.1	35.0	37.5	15.5	22.2	37.7	38.1	132.1
Entertainment and recreational services	9.0	10.1	8.8	4.5	4.3	8.8	8.8	41.8
Restaurants, hotels; personal services	23.1	24.9	28.7	11.0	17.9	28.8	29.3	90.3
Total all industries(d)	492.4	512.2	511.4	288.0	224.1	512.1	513.7	2,838.4

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (e) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 16. EMPLOYED WAGE AND SALARY EARNERS, WESTERN AUSTRALIA - SECTOR AND INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	23.0	22.8	22.8	19.8	3.1	22.9	22.9	236.0
Manufacturing	65.2	70.1	69.2	52.1	17.6	69.7	68.7	431.6
Electricity, gas and water; construction	22.9	26.6	27.4	23.2	*4.3	27.5	27.8	210.4
Wholesale and retail trade	110.5	109.3	109.7	55.9	53.9	109.8	110.5	462.8
Transport and storage	15.2	15.6	16.4	11.8	4.7	16.5	15.9	111.9
Finance, property and business services	49.0	49.0	46.2	20.4	26.5	46.9	46.9	283.1
Banking	6.0	5.9	5.9	2.3	3.7	6.0	6.1	28.3
Non-bank finance, investment and insurance	13.3	11.1	9.8	4.2	5.5	9.7	9.7	69.6
Property and business services	29.7	32.0	30.5	14.0	17.3	31.2	31.1	185.2
Community services	36.9	39.0	37.8	8.9	28.9	37.8	37.9	179.8
Health	20.3	20.5	20.0	2.8	16.9	19.6	19.5	93.7
Education, museum and library services	7.6	7.2	6.6	2.1	4.7	6.8	6.9	34.3
Welfare and other community services	8.9	11.3	11.3	4.0	7.4	11.4	11.5	51.9
Recreation, personal and other services(a)	31.2	30.6	31.3	12.6	19.0	31.6	31.0	111.6
Total all industries(b)	353.9	363.2	360.9	204.8	158.1	362.9	361.7	2,027.6
PUBLIC								
Agriculture, forestry, fishing and hunting	1.5	1.7	1.7	1.3	0.4	1.7	1.6	11.5
Mining	—	—	—	—	—	—	—	—
Manufacturing	3.0	2.7	2.8	2.5	0.4	2.9	2.9	18.8
Electricity, gas and water; construction	14.9	14.7	14.7	13.1	1.5	14.6	14.7	117.8
Wholesale and retail trade	0.3	0.3	0.4	0.2	0.1	0.4	0.4	2.7
Transport and storage	10.0	10.2	10.2	9.1	1.2	10.2	10.2	79.7
Communication	9.6	9.1	9.9	7.1	2.6	9.7	10.1	68.9
Finance, property and business services	10.4	10.8	10.6	4.9	5.8	10.7	10.7	64.4
Banking	6.3	6.8	6.7	2.7	4.0	6.8	6.8	35.0
Non-bank finance, investment and insurance	1.5	1.4	1.4	0.6	0.8	1.4	1.4	9.8
Property and business services	2.6	2.6	2.5	1.6	0.9	2.5	2.5	19.7
Public administration and defence(c)(e)	29.5	23.7	23.5	14.2	9.2	23.4	23.6	159.8
Community services	84.4	85.5	81.1	32.2	51.5	83.6	85.1	561.9
Health	30.1	29.7	29.2	8.1	21.1	29.2	29.3	206.8
Education, museum and library services	42.8	44.0	40.6	15.7	26.9	42.5	43.9	258.7
Welfare and other community services	11.6	11.9	11.3	8.4	3.5	11.9	11.8	96.5
Recreation, personal and other services	2.1	2.2	2.2	1.1	1.1	2.2	2.3	12.8
Total all industries	165.7	161.0	157.1	85.6	73.8	159.5	161.5	1,098.3

For footnotes see end of table.

TABLE 16. EMPLOYED WAGE AND SALARY EARNERS, WESTERN AUSTRALIA - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	23.0	22.8	22.8	19.8	3.1	22.9	22.9	236.0
Manufacturing	68.2	72.9	72.1	54.6	18.0	72.6	71.6	450.4
Food, beverages and tobacco	11.3	12.3	10.2	6.8	3.6	10.4	10.5	60.5
Textiles; clothing and footwear	3.4	4.0	3.7	1.4	2.4	3.8	3.8	17.2
Wood and wood products	4.8	4.8	5.4	4.5	1.0	5.5	5.3	30.2
Furniture and mattresses	4.4	4.3	3.5	2.7	0.8	3.4	3.5	15.5
Paper, paper products, printing and publishing	8.1	9.4	9.4	4.9	4.5	9.4	9.2	54.3
Chemical, petroleum and coal products	3.5	3.3	3.1	2.7	0.5	3.2	3.2	26.3
Non-metallic mineral products	4.2	3.7	4.3	3.6	0.6	4.2	4.3	31.9
Basic metal products	5.7	6.2	6.0	5.5	0.6	6.0	6.1	49.7
Fabricated metal products	7.0	8.6	10.0	8.4	1.8	10.1	9.4	61.9
Transport equipment	4.5	4.7	4.6	4.4	0.4	4.8	4.6	30.2
Other machinery and equipment	8.5	7.3	8.2	7.1	1.1	8.2	8.2	51.7
Miscellaneous manufacturing	2.7	4.3	3.7	2.7	0.8	3.5	3.6	21.1
Electricity, gas and water	10.4	10.2	10.2	9.3	0.9	10.2	10.3	84.9
Construction	27.4	31.2	31.9	27.0	4.9	31.9	32.2	243.3
Wholesale and retail trade	110.8	109.7	110.1	56.1	54.1	110.2	110.9	465.5
Wholesale trade	33.6	32.3	31.6	22.1	9.3	31.4	31.8	195.4
Retail trade	77.2	77.3	78.5	34.0	44.8	78.8	79.1	270.1
Motor vehicles, petrol, tyres	16.0	15.2	16.3	12.6	3.6	16.2	16.1	81.7
Other retail trade	61.2	62.2	62.2	21.4	41.2	62.6	63.0	188.4
Transport and storage	25.2	25.8	26.6	20.9	5.9	26.8	26.1	191.6
Road transport	9.5	9.8	10.4	7.9	2.7	10.6	10.1	61.2
Other transport and storage	15.7	16.1	16.2	13.0	3.2	16.2	16.0	130.4
Communication	9.6	9.1	9.9	7.1	2.6	9.8	10.1	69.2
Finance, property and business services	59.4	59.8	56.8	25.3	32.3	57.6	57.6	347.5
Banking	12.3	12.6	12.6	5.0	7.8	12.8	12.9	63.2
Non-bank finance and investment	8.6	7.3	6.2	3.0	3.1	6.1	6.1	47.1
Insurance and services to insurance	6.1	5.2	5.0	1.8	3.2	5.0	5.0	32.3
Property and business services	32.4	34.6	33.0	15.5	18.2	33.7	33.6	204.9
Public admin. and defence(c)(e)	29.5	23.7	23.5	14.2	9.2	23.4	23.6	159.8
Commonwealth government admin.(e)	12.5	5.7	5.7	2.7	2.7	5.5	5.6	36.3
State government admin.	5.4	6.0	5.9	3.6	2.4	6.0	6.1	54.5
Local government admin.	10.2	10.5	10.4	7.0	3.5	10.5	10.6	58.0
Other public admin. and defence(c)	1.4	1.4	1.4	0.8	0.7	1.4	1.4	11.0
Community services	121.3	124.6	118.9	41.0	80.4	121.4	122.9	741.8
Health	50.4	50.2	49.1	10.9	37.9	48.8	48.8	300.5
Education, museum and library services	50.4	51.2	47.2	17.8	31.5	49.3	50.8	292.9
Welfare and other community services	20.5	23.2	22.6	12.4	10.9	23.3	23.3	148.4
Recreation, personal and other services(a)	33.3	32.8	33.5	13.7	20.1	33.8	33.3	124.4
Entertainment and recreational services	6.4	7.0	7.0	4.0	2.9	6.9	6.8	32.4
Restaurants, hotels; personal services	26.9	25.8	26.6	9.7	17.2	26.9	26.5	92.1
Total all industries(d)	519.5	524.2	518.0	290.4	231.9	522.4	523.1	3,125.9

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (e) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 17. EMPLOYED WAGE AND SALARY EARNERS, TASMANIA - SECTOR AND INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE								
Mining	2.8	2.6	2.8	2.6	0.2	2.8	2.8	26.6
Manufacturing	26.3	25.5	28.3	22.6	5.9	28.6	28.7	177.9
Electricity, gas and water; construction	4.4	4.2	4.7	4.1	*0.9	5.0	4.8	24.6
Wholesale and retail trade	24.1	24.2	25.6	14.2	11.4	25.6	25.5	97.2
Transport and storage	3.7	4.4	4.4	3.8	0.8	4.6	4.5	26.6
Finance, property and business services	10.2	10.2	11.7	5.5	6.3	11.7	11.7	60.7
Banking	2.5	1.8	1.8	0.8	1.0	1.8	1.8	9.6
Non-bank finance, investment and insurance	2.1	*2.4	2.8	1.1	*1.6	2.8	2.8	15.4
Property and business services	5.6	6.0	7.1	3.6	3.6	7.2	7.1	35.6
Community services	15.6	15.2	*14.8	3.3	*11.8	*15.1	15.1	60.8
Health	*8.8	*8.9	*9.8	*1.4	*8.7	*10.1	*10.1	38.7
Education, museum and library services	2.5	2.1	2.0	0.6	1.4	2.0	2.0	11.0
Welfare and other community services	4.3	4.2	3.0	1.3	1.6	2.9	3.0	11.1
Recreation, personal and other services(a)	10.9	9.5	9.7	3.2	6.5	9.7	9.2	35.9
Total all industries(b)	97.9	95.9	102.0	59.2	43.8	103.0	102.3	510.3
PUBLIC								
Agriculture, forestry, fishing and hunting	0.7	0.8	0.8	0.6	0.1	0.8	0.8	5.3
Manufacturing	0.1	0.1	0.1	0.1	—	0.1	0.1	0.6
Electricity, gas and water; construction	6.2	6.1	6.1	5.5	0.5	6.0	6.0	41.8
Wholesale and retail trade	0.2	—	0.2	0.1	—	0.2	0.2	0.9
Transport and storage	2.2	2.3	2.2	2.0	0.2	2.2	2.2	15.9
Communication	2.9	2.9	2.9	2.3	0.7	2.9	3.0	21.3
Finance, property and business services	1.9	2.7	2.6	1.4	1.3	2.7	2.7	17.1
Banking	0.7	1.4	1.3	0.6	0.7	1.4	1.4	7.6
Non-bank finance, investment and insurance	0.5	0.5	0.5	0.3	0.3	0.5	0.5	3.8
Property and business services	0.7	0.8	0.8	0.6	0.3	0.8	0.8	5.7
Public administration and defence(c)(e)	11.8	10.0	9.9	6.5	3.4	9.9	9.9	65.6
Community services	27.6	28.0	27.1	10.9	17.1	28.0	27.6	177.0
Health	10.2	10.2	9.8	2.7	7.2	9.9	9.9	64.1
Education, museum and library services	14.4	14.6	14.2	5.9	9.0	14.9	14.6	86.7
Welfare and other community services	3.1	3.1	3.1	2.3	0.9	3.2	3.1	26.2
Recreation, personal and other services	0.6	0.7	0.7	0.4	0.3	0.7	0.7	4.6
Total all industries	54.4	53.6	52.5	29.9	23.5	53.5	53.2	350.0

For footnotes see end of table.

TABLE 17. EMPLOYED WAGE AND SALARY EARNERS, TASMANIA - SECTOR AND INDUSTRY-Continued

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
PRIVATE AND PUBLIC								
Mining	2.8	2.6	2.8	2.6	0.2	2.8	2.8	26.6
Manufacturing	26.4	25.7	28.4	22.7	6.0	28.7	28.9	178.4
Food, beverages and tobacco	6.4	5.6	6.9	4.5	2.6	7.1	7.2	38.2
Textiles; clothing and footwear	2.4	1.8	1.8	0.8	1.0	1.7	1.7	8.9
Wood; wood products and furniture	3.8	3.0	4.0	3.7	0.3	4.1	4.0	22.1
Paper, paper products, printing and publishing	5.2	5.1	5.1	4.2	0.8	5.1	5.1	36.9
Chemical, petroleum and coal products	1.0	1.1	1.4	1.2	*0.3	1.4	1.4	12.0
Non-metallic mineral products	1.0	1.1	0.9	0.8	0.1	0.9	0.9	5.6
Basic metal products	2.9	2.9	2.9	2.8	0.1	2.9	2.9	24.7
Fabricated metal products	1.6	2.0	*2.2	1.9	*0.2	*2.1	*2.2	*10.9
Transport equipment	0.8	0.9	1.0	0.9	0.1	1.0	1.1	6.1
Other manufacturing	1.3	2.3	2.3	2.0	0.4	2.4	2.4	13.1
Electricity, gas and water	4.7	4.6	4.6	4.1	0.4	4.6	4.6	31.6
Construction	5.9	5.6	6.2	5.5	*0.9	6.4	6.2	34.8
Wholesale and retail trade	24.3	24.2	25.8	14.3	11.5	25.8	25.7	98.1
Wholesale trade	6.7	7.4	8.0	6.2	1.9	8.1	7.9	38.1
Retail trade	17.5	16.8	17.8	8.1	9.6	17.7	17.8	60.0
Motor vehicles, petrol, tyres	3.7	4.2	4.4	3.7	0.7	4.4	4.4	21.2
Other retail trade	13.9	12.7	13.4	4.4	8.9	13.3	13.4	38.8
Transport and storage	5.9	6.7	6.6	5.7	1.0	6.7	6.6	42.4
Road transport	2.7	3.1	2.8	2.6	0.4	3.0	3.0	15.3
Other transport and storage	3.3	3.7	3.8	3.1	0.6	3.7	3.7	27.1
Communication	3.0	3.0	3.0	2.3	0.7	3.0	3.0	21.4
Finance, property and business services	12.1	12.9	14.3	6.9	7.5	14.4	14.4	77.7
Banking	3.2	3.2	3.2	1.4	1.8	3.2	3.2	17.2
Non-bank finance and investment	1.1	*1.2	*1.2	*0.5	*0.7	*1.2	*1.2	*7.2
Insurance and services to insurance	1.5	1.8	2.1	0.9	*1.2	2.1	2.1	12.0
Property and business services	6.4	6.7	7.9	4.1	3.9	8.0	7.9	41.4
Public admin. and defence(c)(e)	11.8	10.0	9.9	6.5	3.4	9.9	9.9	65.6
Commonwealth government admin.(e)	4.0	1.9	1.8	0.9	0.9	1.8	1.8	11.9
State government admin.	3.9	3.9	3.8	2.5	1.3	3.9	3.9	28.1
Local government admin.	3.1	3.2	3.4	2.4	0.9	3.3	3.4	19.3
Other public admin. and defence(c)	0.9	0.9	0.9	0.6	0.3	0.9	0.9	6.4
Community services	43.2	43.3	41.9	14.2	28.9	43.1	42.7	237.8
Health	19.0	19.2	19.6	4.1	15.9	20.0	20.0	102.8
Education, museum and library services	16.8	16.8	16.2	6.6	10.4	17.0	16.6	97.6
Welfare and other community services	7.3	7.3	6.1	3.6	2.5	6.1	6.1	37.3
Recreation, personal and other services(a)	11.5	10.3	10.4	3.6	6.8	10.4	9.9	40.5
Entertainment and recreational services	4.0	2.7	1.4	0.6	0.8	1.4	1.4	8.0
Restaurants, hotels; personal services	7.5	7.6	9.0	3.0	6.0	9.0	8.5	32.5
Total all industries(d)	152.3	149.6	154.5	89.1	67.3	156.4	155.5	860.4

(a) Excludes private households employing staff. (b) Includes employees of private enterprises classified to communication. (c) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (d) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. (e) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 18. EMPLOYED WAGE AND SALARY EARNERS, NORTHERN TERRITORY - INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
Mining	1.6	1.5	1.7	1.4	0.3	1.7	1.8	16.5
Manufacturing	3.3	3.3	3.7	2.8	0.9	3.7	3.6	24.9
Electricity, gas and water	1.2	1.3	1.3	1.0	0.3	1.3	1.3	10.7
Construction	4.7	6.0	6.4	4.9	*1.3	*6.1	*6.2	46.3
Wholesale and retail trade	11.4	10.7	11.6	6.2	5.5	11.7	11.6	58.6
Transport and storage	1.9	1.8	*1.8	*1.5	*0.7	*2.1	2.1	13.6
Communication	1.3	1.1	1.0	0.8	0.3	1.1	1.0	8.6
Finance, property and business services	4.6	5.0	4.8	2.5	2.4	4.8	5.0	29.1
Public administration and defence(a)(d)	6.3	6.3	6.9	4.0	3.0	7.0	6.6	51.6
Community services	17.2	16.7	16.6	6.9	9.7	16.5	17.0	111.8
Health	5.6	6.2	6.3	1.9	4.5	6.5	6.5	52.2
Education, museum and library services	5.2	5.5	5.4	1.8	3.3	5.1	5.5	35.6
Welfare and other community services	6.4	5.0	4.9	3.2	1.8	5.0	5.0	24.0
Recreation, personal and other services(b)	4.3	4.1	4.4	1.4	2.9	4.3	4.1	17.3
Total all industries(c)	57.9	57.7	60.1	33.3	27.1	60.4	60.4	389.0

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (b) Excludes private households employing staff. (c) Includes employees of government agencies classified to agriculture, forestry and hunting. (d) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 19. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIAN CAPITAL TERRITORY - INDUSTRY

Industry	Number of employees('000)						Gross earnings	
	September 1988	June 1989	July 1989	August 1989		September 1989	September Quarter 1989	
	Persons	Persons	Persons	Males	Females	Persons	Persons	\$m
Manufacturing	4.2	4.1	4.1	2.8	1.2	4.0	4.0	27.9
Electricity, gas and water	1.4	1.5	1.5	1.3	0.2	1.5	1.5	11.8
Construction	4.7	6.0	6.0	5.0	0.8	5.8	5.8	41.0
Wholesale and retail trade	18.5	16.7	17.2	8.8	8.2	17.0	17.1	74.1
Transport and storage	3.4	*3.4	3.7	3.0	*0.7	3.7	3.7	26.9
Communication	1.9	1.9	1.9	1.2	0.7	2.0	2.0	13.6
Finance, property and business services	11.9	13.0	14.8	6.9	8.1	15.0	15.5	90.6
Public administration and defence(a)(d)	37.3	35.1	34.6	19.6	15.1	34.7	34.6	303.8
Community services	31.0	30.9	30.4	11.9	19.6	31.5	31.7	219.1
Health	8.5	8.8	9.3	2.0	7.4	9.4	9.3	56.6
Education, museum and library services	14.3	15.2	13.8	5.9	9.1	15.0	15.3	106.0
Welfare and other community services	8.2	6.8	7.2	4.0	3.1	7.1	7.1	56.5
Recreation, personal and other services(b)	11.1	10.6	10.1	4.2	6.0	10.2	10.2	39.5
Total all industries(c)	125.4	123.3	124.5	64.9	60.7	125.6	126.4	850.0

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (b) Excludes private households employing staff. (c) Includes mining and employees of government agencies classified to agriculture, forestry, fishing and hunting. (d) For September 1988 includes temporary Australian Electoral Commission employees.

TABLE 20. EMPLOYED WAGE AND SALARY EARNERS, PRIVATE SECTOR - EMPLOYER UNIT SIZE(a)

	<i>Less than 20 employees</i>		<i>20-99 employees</i>		<i>100 or more employees</i>		<i>Total</i>	
	<i>August 1989</i>	<i>September Quarter 1989</i>	<i>August 1989</i>	<i>September Quarter 1989</i>	<i>August 1989</i>	<i>September Quarter 1989</i>	<i>August 1989</i>	<i>September Quarter 1989</i>
	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>	<i>Persons ('000)</i>	<i>Gross Earnings (\$m)</i>
AUSTRALIA BY INDUSTRY								
Mining	6.0	45.8	8.3	89.6	61.2	696.2	75.5	831.7
Manufacturing	181.0	896.0	238.1	1,404.6	642.7	4,644.4	1,061.8	6,945.0
Electricity, gas and water	0.2	0.9	0.4	3.4	2.2	18.2	2.9	22.5
Construction	140.7	753.7	73.8	584.8	69.9	652.2	284.4	1,990.6
Wholesale and retail trade	515.8	2,140.6	246.0	1,363.9	506.9	2,349.9	1,268.7	5,854.4
Transport and storage	63.1	290.5	44.8	298.2	73.8	574.8	181.7	1,163.5
Finance, property and business services	235.2	1,324.7	171.9	1,293.4	266.3	1,851.4	673.3	4,469.5
Community services	142.2	722.3	115.5	539.6	232.3	1,134.4	490.1	2,396.3
Recreation, personal and other services(b)	195.7	580.4	130.6	470.5	120.5	511.9	446.8	1,562.8
Total all industries(c)	1,480.3	6,758.2	1,029.7	6,050.1	1,976.6	12,438.6	4,486.6	25,246.9
STATES AND TERRITORIES								
New South Wales	510.4	2,415.6	354.0	2,225.6	727.2	4,747.5	1,591.6	9,388.7
Victoria	400.4	1,800.6	299.8	1,745.3	577.9	3,823.8	1,278.1	7,369.7
Queensland	251.7	1,115.1	152.0	840.4	291.0	1,664.7	694.7	3,620.3
South Australia	123.3	538.2	87.5	458.6	151.4	836.9	362.2	1,833.7
Western Australia	118.3	543.3	83.1	498.3	161.4	986.0	362.9	2,027.6
Tasmania	38.6	154.2	24.5	125.1	39.8	230.9	103.0	510.3
Northern Territory	16.7	88.8	10.9	57.9	10.7	65.7	38.3	212.3
Australian Capital Territory	20.9	102.2	17.8	98.9	17.1	83.2	55.8	284.3

(a) See Appendix 3. (b) Excludes private households employing staff. (c) Includes employees of private enterprises classified to communication.

APPENDIX 1 - EXPLANATORY NOTES

Introduction

This publication contains results of the quarterly Survey of Employment and Earnings (SEE) which was introduced in the September quarter 1983. The survey is designed to obtain, from employer units, information on numbers of wage and salary earners employed each month and their quarterly earnings. It replaces the civilian employees series, based principally on information obtained from payroll tax returns, which was discontinued after April 1980.

2. Background information on the reasons for the introduction of this survey is provided in *Information Paper: Review of ABS Employment Statistics* (6239.0) published on 8 July 1981. Further information on the differences in concepts, methodology and coverage of the old and new employment series is provided in *Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6256.0) issued on 21 June 1984.

Scope of the survey

3. All wage and salary earners who received pay in any pay period ending within the quarter were represented in the survey, except: members of the Australian permanent defence forces; employees of enterprises in the private sector primarily engaged in agriculture, forestry, fishing and hunting; employees in private households employing staff; employees of overseas embassies, consulates, etc; employees based outside Australia.

4. As an indicator of the number of employed wage and salary earners out of scope of the survey, and included in the first three groups above, the following estimates derived from other sources show the average number of employees for the year ended June 1989 as:

• New South Wales	76,700
• Victoria	43,700
• Queensland	52,700
• South Australia	17,300
• Western Australia	26,500
• Tasmania	9,700
• Northern Territory	5,500
• Australian Capital Territory	7,900
• Australia	240,300

Survey design

5. The survey is conducted by mail each quarter with data collected on monthly number of employees and quarterly earnings. For the first and last month of each quarter, only the total number of persons is collected; for the mid month of each quarter, details of males and females, full-time and part-time are collected.

6. For the *Private* and *Public* sectors, samples of approximately 15,000 private and 2,500 public employer units were selected from the ABS register of businesses to

ensure adequate State and industry representation. The statistical unit for the survey comprises all activities of an enterprise in a particular State. Each statistical unit was classified to an industry which reflected the predominant activity of the enterprise in the State. In a small number of cases where an enterprise had a significant number of employees in more than one industry, a separate statistical unit was created for each industry. Periodically, a review is undertaken to determine whether existing enterprises which are split into separate statistical units should continue to report on that basis. In addition, larger enterprises which are not currently split into separate statistical units are examined to decide whether they should be split for the purpose of reporting their employees. Any changes in reporting arrangements as a result of such review can have an impact on the industry estimates at the time of their implementation. Private sector statistical units are stratified by State, industry, and number of employees. Public sector statistical units are further stratified by institutional sector. An equal probability sample is selected from each stratum.

7. For the March quarter 1988 survey, a new private sector sample was introduced which reduced the number of private sector statistical units selected from 20,000 to 15,000. The new allocation of units within the existing stratification was achieved without significant loss of accuracy in the main estimates. The greater than usual change in the sample in recent quarters, however, has caused an increase in the standard error of the movement in the estimates between those periods (see paragraphs 10 to 12, below, for more information on interpretation of estimates of movements).

8. For the September quarter 1988, public sector sampling was introduced which reduced the number of public sector statistical units from a complete enumeration of approximately 4,000 to a sample of 2,500. This change has also been achieved without significant loss of accuracy in the main estimates, however, a different estimation system than that used for the private sector has been used for the public sector estimates since the September quarter 1988. This is an interim step with future quarterly public sector data intended to be produced using the same estimation system as for the private sector.

Reliability of estimates

9. Estimates are subject to sampling and non-sampling errors. For more information refer to Appendix 2 - Technical Note.

Interpretation of estimates of movements

10. While estimates of employed wage and salary earners are presented in this publication for each month of the quarter, the survey is conducted quarterly and the sample of employer units is updated each quarter to reflect changes in the ABS register of business units, from which the sample is selected. These changes arise from the emergence of new businesses, takeovers and mergers, changes to industry classification, changes in the number of em-

ployees, and businesses which have ceased operations. Such updating of the register can contribute to sudden changes in the estimates of employed wage and salary earners, and earnings.

11. Recently the ABS has introduced new definitions and rules for recording units on the register with greater emphasis being given to the way organisations are structured and the type of data available from businesses' accounts. In order to correctly interpret these new rules, the ABS has commenced a program of visits to the largest private and public sector organisations in Australia to obtain up to date information on their structure and operations. The outcome of these visits and the adoption of new units definitions will be changes in the survey estimates, as outlined in paragraph 10 above.

12. Estimates of monthly movements within each quarter arise solely from changes in reported number of employees by employer units but movements between quarters also reflect changes resulting from updating the survey sample.

Seasonal Adjustment

13. Seasonally adjusted series are published in Tables 2, 5 and 11. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile or unsystematic can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

14. The series have been seasonally adjusted from September 1983 and the historical series can be made available on request. The seasonal factors will be reviewed annually to take account of each additional year's original data.

15. It is possible that the seasonality of employment has been affected to varying degrees by the changed patterns of school holidays in some States. The impact of these changes on seasonally adjusted estimates cannot be assessed at this stage, and such effects are contained in both original and seasonally adjusted series.

16. Details about the method of seasonal adjustment of these series are available on request.

Standard Institutional Sector Classification of Australia (SISCA)

17. SISCA is a system for classifying institutional units by broad economic sectors and is a key component of the general national accounting framework. For the purposes of these statistics the classification has been used to separate public sector enterprises into public business (trading and financial) and general government. Certain public sector data have been classified by SISCA and are presented in Tables 6, 7 and 8.

Comparability of results

18. This series differs in several important ways from the former payroll tax-based civilian employees series, and estimates of employed wage and salary earners obtained from the Labour Force Survey (LFS). It provides an estimate of the number of jobs occupied by people, whereas the other two series provide estimates of the number of people in jobs. For this series, data are obtained directly from a sample survey of employer units drawn from the ABS register of business units, which is more complete than the coverage provided by employers subject to payroll tax. Comparability with LFS estimates is affected by the use of a different survey methodology and definitions. In addition, because of unavoidable time delays, which can vary across States, lags occur between the birth of new businesses and their appearance on the ABS register. They will not be represented in the sample selected from the register for one or two quarters after such businesses have commenced operation. As a consequence, estimates of movements in this series will lag those produced from the LFS, particularly at a time of upward movement in the business cycle. A detailed description of the comparability between the SEE series, the former payroll tax-based Civilian Employees series and the series provided by the LFS is presented in the *Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6256.0). Additional detail on the differences between the SEE and the LFS series appears in the *Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings* (6263.0), and in the supplement to the December 1986 issue of the *Treasury Roundup*.

19. Separate estimates of full-time and part-time employees are included in Table 9. For definitions of these terms, see Appendix 3 - Glossary. This table was first published in the June quarter 1987 issue of this publication and has not been published for previous quarters back to September 1983. This information is available on request. For the reasons outlined above in paragraph 18, it is difficult to compare estimates of full-time and part-time employees derived from the SEE with those produced from the LFS. Generally, the number of full-time employees is higher in the LFS series, and the number of part-time employees is higher in the SEE series. In the LFS, a person who works more than 35 hours a week in total in two (or more) part-time jobs is classified as working full-time. However, in this situation, the SEE would show two part-time jobs as having been filled.

20. The SEE collects total quarterly employee earnings primarily for use in estimating the gross domestic product component of the Australian National Accounts. Whilst average employee earnings can be derived from these data, the results will not be comparable with those from the Survey of Average Weekly Earnings (AWE) published in *Average Weekly Earnings, States and Australia* (6302.0). The SEE collects the sum of employee earnings paid in all pay periods ending in a quarter and the results will be affected by the varying number of pay periods from quarter to quarter, whereas the AWE relates to a specified pay period within a quarter and is not subject to

such influences. In addition, certain types of payments within the scope of the SEE, such as retrospective pay, pay in advance, leave loadings and severance, termination and redundancy payments are specifically excluded from the AWE. The SEE earnings data are also subject to seasonal variations particularly in December and March quarters due to the incidence of holidays taken in January being paid in advance and the earnings being reported in December quarter figures.

21. Prior to July 1983 the number of public sector employees was derived from a variety of administrative sources and published in *The Labour Force, Australia* (6203.0). Public sector employee figures for July 1983 and subsequent months are based on data obtained from government departments and authorities using the same questionnaire, definitions, reference period, collection and processing procedures as for the sample of private employment units.

22. Differences occur between the new and old public sector series because of the changes to collection arrangements, reference period, the treatment of part-time employees and inclusion of public employees in forestry and services to agriculture (11,200 in May 1983). To provide a statistical link between the new and old public sector series, information on the new and old basis for April, May and June 1983 was released in the September quarter 1983 issue of this publication.

Employer unit size classification

23. Data presented in Table 20 show the concentration of employees in employer units in three size ranges. Over a period, the composition of these categories will vary as some employer units migrate from one size group to another due to changes in their employment levels. This will affect changes over time in the distribution of employees by size of employer unit.

Semi-logarithmic graphs

24. Diagram 5 on page 3 has been drawn using a logarithmic vertical scale to facilitate comparisons of rates of growth in series of differing magnitude. Equal distances on the vertical scale (over equal time periods) indicate equal rates of growth.

Related publications

25. Users may also wish to refer to the following publications which are available on request:

The Labour Force, Australia (6203.0) — issued monthly

Information Paper: Comparison of Employment Estimates from the Labour Force Survey and the Survey of Employment and Earnings (6263.0) — issued 11 July 1985

Average Weekly Earnings, Australia (Preliminary) (6301.0) and *Average Weekly Earnings, States and Australia* (6302.0) — issued quarterly

Pay Periodicity of Gross Wages and Salaries, Australia, September quarter 1984 (6347.0) — issued 5 September 1985

Occasional Paper No. 1986/1: Statistics on Wages, Earnings, Income and Labour Costs — A Guide to Their Concepts, Measurement and Usage — issued June 1986

A Guide to Labour Statistics (6102.0) — issued 10 February 1986

Small Business in Australia 1983-84 to 1986-87 (1321.0) — issued September 1988.

26. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released within the next few days. The Catalogue and Publications Advice are available from any ABS office.

Unpublished statistics

27. In some cases, the ABS can also make available other information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer printout, diskette, clerically-extracted tabulation. Generally, a charge is made for providing unpublished information. Inquiries should be made to Brian McLinden on Canberra (062) 52 6655, or to Information Services in the nearest ABS office.

Symbols and other usages

— nil or rounded to zero

* subject to sampling variability too high for most practical purposes. See paragraph 3 of Appendix 2 - Technical Note

28. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

Electronic services

VIATEL. Key *656# for selected current economic, social, and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service through PAXUS COMNET. For further information phone the AUSSTATS Help Desk on (062) 52 6017.

TELESTATS. This service provides foreign trade statistics tailored to users' requirements. Further information is available on (062) 52 5404.

Text and tables for selected Main Economic Indicator publications. Further information is available on (062) 52 5405.

Floppy disk service

Selected ABS statistics are available on floppy disk. For further information phone (062) 52 6684.

APPENDIX 2 - TECHNICAL NOTE

Reliability of estimates

Estimates for both the private and public sectors in this publication are subject to sampling variability because they are based on information relating to a sample of employer units rather than a full enumeration, (i.e. they may differ from the figures that would have been produced if the information had been obtained from all employer units). This difference, called sampling error, should not be confused with inaccuracy that may occur because of imperfections in reporting by respondents or in processing by the ABS; such inaccuracy is referred to as non-sampling error and may occur in any enumeration, whether it be a full count or sample. Efforts have been made to reduce the non-sampling error by careful design of questionnaires, detailed checking of returns and quality control of processing.

2. The sampling error associated with any estimate can be estimated from the sample results. One measure of sampling error is given by the *standard error* which indicates the degree to which an estimate may vary from the value that would have been obtained from a full enumeration (the 'true' figure). There are about two chances in three that a sample estimate differs from the true value by less than one standard error, and about nineteen chances in twenty that the difference will be less than two standard errors.

3. If the standard error of an estimate is large relative to the size of the estimate, the usefulness of that estimate is seriously impaired. For the tables in this publication, estimates with standard errors greater than 25 per cent of the estimate have been labelled with an asterisk.

4. Standard errors of estimates of *level*, by industry, are shown in Table A for the private sector and Table B for the public sector and relate only to the third month of the quarter. As the survey is conducted quarterly from a common sample of employer units, who report details of employees for each month of the quarter, standard errors on all estimates for total persons employed in each month are of a similar magnitude.

5. Standard errors of estimates of *movements*, provide a measure of the reliability of changes in the level of an estimate. Table A shows standard errors for movements

in the level of estimates for the private sector for persons between the third month of successive quarters. Standard errors for movements in the level of estimates between quarters for the public sector have not been presented. Annual movement standard errors are also shown for the private sector in Table A and relate to December 1986 - December 1987 movements. These are also applicable to 1989 annual movements.

6. For this quarter, standard errors for annual movement for the public sector are the same as the standard errors for level since, in the March quarter 1988, estimates for the public sector were not subject to sampling variability as data had been collected from all public sector units.

7. An example of the use of standard error on *levels* is as follows. If the estimated number of wage and salary earners was 5,500,000 with a standard error of 25,000, then there would be about two chances in three that a full enumeration would have given a figure in the range 5,475,000 to 5,525,000 and about nineteen chances in twenty that it would be in the range 5,450,000 to 5,550,000.

8. An example of the use of standard error on *movements* is as follows. If the estimated standard error for a quarterly change estimate of wage and salary earners was 15,000 and the quarterly change estimate between two quarters was 40,000 persons, then there would be about two chances in three that a full enumeration would have given a quarterly change estimate in the range 25,000 to 55,000 persons and about nineteen chances in twenty that it would be in the range 10,000 to 70,000 persons.

9. Quarterly movements in estimates of employed wage and salary earners are considered to be statistically significant where they exceed two standard errors.

10. Standard errors for earnings are approximately the same relative size as standard errors for number of employees. Detailed standard errors for both employment and earnings are available on request.

TABLE A. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA - PRIVATE SECTOR :
STANDARD ERRORS, SEPTEMBER 1989, PERSONS ('000)

Industry	NSW	Vic.	Qld	SA	WA	Tas.	NT	ACT	Aust.
LEVEL									
Mining	1.3	0.3	0.8	0.2	0.7	0.1	0.1	—	1.7
Manufacturing	6.0	7.2	3.0	1.7	2.2	0.8	0.3	0.2	10.3
Construction	5.9	9.0	4.9	4.7	4.2	0.9	1.5	0.8	13.6
Wholesale and retail trade	9.6	12.8	8.7	6.2	3.2	1.4	1.6	1.3	19.6
Transport and storage	8.2	5.2	4.9	1.1	1.6	0.4	0.6	0.9	11.1
Finance, property and business services	12.4	10.6	5.7	3.3	2.1	1.1	0.4	2.3	17.9
Community services	6.9	5.7	4.9	3.2	1.9	3.9	1.0	0.7	11.6
Recreation, personal and other services(a)	10.7	6.3	7.1	1.9	2.0	0.5	0.6	1.2	14.6
Total all industries	23.3	22.5	15.5	9.5	6.9	4.5	2.6	3.2	38.3
QUARTERLY MOVEMENT									
Mining	1.1	0.2	0.8	0.1	0.5	0.1	—	—	1.5
Manufacturing	5.8	7.0	3.6	2.1	2.1	0.7	0.3	0.2	10.2
Construction	3.3	6.5	2.5	2.0	2.7	0.4	0.2	0.3	8.4
Wholesale and retail trade	6.6	6.3	7.1	4.0	2.2	0.9	1.1	0.7	12.5
Transport and storage	4.5	1.9	5.0	0.7	0.7	0.2	0.5	0.7	7.1
Finance, property and business services	6.8	10.3	3.6	2.4	1.6	0.6	0.4	1.6	13.3
Community services	5.2	5.8	3.0	1.2	1.5	1.8	0.5	0.5	8.8
Recreation, personal and other services(a)	4.2	7.2	3.8	1.5	1.3	0.6	0.6	0.5	9.5
Total all industries	14.1	18.1	11.4	5.8	4.9	2.3	1.5	2.0	26.9
ANNUAL MOVEMENT(b)									
Mining	0.7	0.2	0.4	0.2	1.7	0.1	0.1	—	2.0
Manufacturing	5.8	5.1	3.1	2.0	3.0	0.3	0.2	0.2	9.1
Construction	2.9	2.6	2.5	0.8	2.1	0.5	0.3	0.4	5.2
Wholesale and retail trade	12.8	10.5	6.0	4.7	4.8	1.3	1.0	2.2	19.1
Transport and storage	2.1	2.4	1.1	0.6	1.2	0.2	0.3	1.5	3.9
Finance, property and business services	7.2	8.5	5.8	4.5	3.3	2.6	1.9	1.4	14.2
Community services	6.2	6.0	2.3	2.6	2.2	1.1	4.0	1.5	10.5
Recreation, personal and other services(a)	6.3	8.8	7.8	1.8	5.9	0.8	0.9	1.1	14.8
Total all industries	18.4	18.3	12.4	7.5	9.6	3.3	4.6	3.6	32.0

(a) Excludes private households employing staff. (b) See paragraph 5 on previous page.

TABLE B. EMPLOYED WAGE AND SALARY EARNERS, AUSTRALIA - PUBLIC SECTOR :
STANDARD ERRORS, SEPTEMBER 1989, PERSONS ('000)

LEVEL									
<i>Industry</i>	<i>NSW</i>	<i>Vic.</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>Tas.</i>	<i>NT</i>	<i>ACT</i>	<i>Aust.</i>
Agriculture, forestry, fishing and hunting	—	—	—	—	—	—	—	—	—
Mining	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	0.1	—	—	—	—	—	0.1
Electricity, gas and water	0.1	0.1	0.2	—	—	—	—	—	0.2
Construction	—	—	—	—	—	—	—	—	—
Wholesale and retail trade	—	—	—	—	0.1	—	—	—	0.1
Transport and storage	—	0.9	—	—	—	—	—	—	0.9
Communication	—	—	—	—	0.8	—	—	—	0.8
Finance, property and business services	0.3	—	0.1	—	0.1	—	—	—	0.3
Public administration and defence(a)	1.2	1.0	0.3	0.4	0.7	0.1	—	—	1.8
Community services	2.0	0.7	0.9	0.7	0.7	—	—	—	2.5
Recreation, personal and other services	1.1	—	—	0.1	—	—	—	—	1.1
Total all industries	2.2	1.2	1.0	0.8	0.6	0.1	—	—	2.9

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc.

APPENDIX 3 - GLOSSARY

Commonwealth government employees. Persons employed by all departments, agencies and authorities created by or reporting to the Commonwealth Parliament, including trading bodies such as banks, airlines and communications bodies. Those bodies run jointly by Commonwealth and State governments are classified to Commonwealth.

Employer units are the statistical units which make up the population from which the sample was drawn (see paragraph 6 of Appendix 1 - Explanatory Notes).

Employer unit size. To derive estimates of employer unit size, each of the approximately 15,000 private sector employer units is allocated a size classification based on the number of employees actually reported for the middle month of the quarter. The size classification reflects the size of an enterprise in a particular State/Territory and not necessarily the size of an enterprise Australia wide.

Full-time employees. Permanent, temporary and casual employees who normally work the agreed or award hours for a full-time employee in their occupation and who received pay for any part of the reference period. If agreed or award hours do not apply, employees are regarded as full-time if they ordinarily work 35 hours or more per week.

General government enterprises. Public sector enterprises mainly engaged in the production of goods and services, outside the normal market mechanisms, providing these goods and services to the general public. The costs of operations are often financed from public revenues. e.g. Governments Departments

Gross earnings. Payments to employees before tax and other items (such as superannuation) are deducted. They comprise ordinary time and overtime earnings; overaward payments; penalty payments, shift and other remunerative allowances; commissions and retainers; bonuses and similar payments; payments under incentive or piecework; payments under profit-sharing schemes; leave loadings; annual and long service leave payments; sick leave payments; advance and retrospective payments; salaries and fees paid to company directors, members of boards, committees, commissions, councils, etc.; amounts paid to employees on workers' compensation which are not covered by insurance, i.e. 'make-up' pay; and severance, termination and redundancy payments.

Industry. Industry is classified according to the *Australian Standard Industrial Classification (ASIC) 1983 Edition* (1201.0).

Institutional sector. Institutional sector is classified according to the *Standard Institutional Sector Classification of Australia (SISCA) 1987 Edition* (1218.0).

Local government employees. Persons employed by municipalities and shires and other local authorities created

by or subject to the provisions of local government legislation, such as county councils in New South Wales.

Number of employees. All wage and salary earners who received pay for any part of the relevant pay period. All permanent, temporary, casual, managerial and executive employees are included. Part-time and casual employees who may have worked only a few hours during the reference period are included. Employees on paid leave and those employees on workers' compensation who continue to be paid through the employer's payroll are also included. Casual employees who work on an irregular basis and who were not paid during the relevant pay period, employees on leave without pay, on strike or stood down without pay for the whole of the pay period are excluded.

Part-time employees. Permanent, temporary and casual employees who are not classified as full-time employees as defined.

Public employees. Administrative employees and all other employees of Commonwealth, State and Local government businesses and financial undertakings engaged in services such as railways, road transport, banks, postal and telecommunications, air transport, education, radio, television, police, public works, factories, marketing authorities, hospitals and welfare institutions.

Public financial enterprises. Public sector enterprises actively involved in financial market transactions such as borrowing and lending. Excluded are those public bodies whose funds flow directly to or from general government revenue.

Public trading enterprises. Public sector enterprises predominately engaged in the production of goods and services with an intention of maximising profits and financial returns with most operating costs being derived from trading activities.

Reference period for the number of employees. The last pay period ending on or before the third Friday in each month.

Reference period for earnings. All pay periods for which the end of the pay period falls within the quarter.

Sector. Public sector includes local government authorities and all government departments, agencies and authorities created by, or reporting to the Commonwealth and State Parliaments. All remaining employees are classified as private sector.

State government employees. Persons employed by all State government departments and authorities created by, or reporting to, State Parliaments, including organisations for which the Commonwealth has assumed financial responsibility, e.g. universities. Following self-government, the Northern Territory administration has been classified as a 'State' government.

Employed Wage and Salary Earners Dissemination Methods

The ABS has a number of additional ways you can obtain information on Employed Wage and Salary Earners series. Those currently available are:

VIATEL

- Contact: Ross Crossman (062) 52 6619
- available via Telecom's Videotex system, VIATEL key *656#
- 15 cents per data frame (30 cents for Balance of Payments and Consumer Price Index)
- instantly updated on the day of release
- selected main statistics available
- user requires: modem, microcomputer and subscription to Viatel

AUSSTATS

- Contact: Peter Davidson (062) 52 6017
- available via PAXUS COMNET (previously called CSIRONET)
- approximately \$100 per hour access
- a large number of time series is available
- instantly available on the day of release
- user requires: modem, microcomputer and registered PAXUS user

FICHE

- selected series available
- user requires: fiche reader

TAPES

- available on special order - ABS tapes are confidentialised
- user requires: mainframe computer

COMPUTER PRINTOUT

- available on special order
- cost depends on data requested - may require programming time

FLOPPY DISKS

- contact: Terry Turner (062) 52 6684
- selected data in standard/tailored formats available
- from \$60 per floppy disk, current publication and time series available
- user requires: IBM compatible micro + DOS 2.11

As other alternative sources become available they will be listed in the chart above. However, we may be able to provide other methods upon request.

Unpublished data

The data appearing in this publication represent only a small proportion of the total amount available. Subject to accuracy and confidentiality considerations, there is a large volume of data which can be made available to users upon request. The scope of the data availability is shown below.

Estimates of Gross Earnings further classified by:

- Gross Wages and Salaries
- Severance, Termination and Redundancy payments
- Director's Fees

Estimates of employed wage and salary earners further classified by:

- Sex
- Full-time/part-time (available for mid-month of quarter only)
- Total persons (available monthly by original and selected seasonally adjusted series)

Industry (see Table 10 on pages 14 and 15 for an indication of the detail available)

Sector (Private/Public, further classified by Commonwealth, State, Local and Public Institutional Sector)

States, Territories and Australia

Employer size (Private sector only)

For further information on any of the above, contact:

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